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Houston, Texas 77058

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NASA-CR-167,357

RESULTS OF A TEST OF THE FULL-SCALE NASA ORBITER VERTICAL TAIL (MODEL 111-0) IN THE ARNOLD ENGINEERING DEVELOPMENT CENTER 16 FOOT PROPULSION WIND TUNNEL

(OS49)

SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

Data Management Services

HUNTSVILLE ELECTRONICS DIVISION CHRYSLER CORPORATION

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by

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Prepared under NASA Contract Number NAS9-16283

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Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS

Test Number:	AEDC PWT16T TF-556
NASA Series Number:	ØS-49
Model Number:	111-Ø
Test Dates:	January 28 to February 4, 1981
Occupancy Hours:	46.3

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RESULTS OF A TEST OF THE FULL-SCALE NASA ORBITER VERTICAL TAIL (MODEL 111-0) IN THE ARNOLD ENGINEERING DEVELOPMENT CENTER 16 FOOT PROPULSION WIND TUNNEL (OS49)

ABSTRACT

A full-scale model of the upper one-quarter portion of the NASA Orbiter vertical tail was tested during the period of January 28 through February 4, 1981, in the AEDC Propulsion Wind Tunnel (16T) at free-stream Mach numbers from 0.80 to 1.40. Model angle of sideslip was varied from -4 to 4 deg. at zero angle of attack. The speed brakes were deflected 55 deg. during test runs of the NASA Orbiter entry trajectory.

The primary objective of this test was to certify the thermal protection system (TPS) tiles covering the fin/rudder gap region of the NASA Orbiter vertical tail. This certification required that the TPS tiles survive, without damage, the expected air loads encountered during ascent and reentry of the first NASA Space Shuttle mission. Secondary objectives were to apply air loads to the TPS tiles, without damage, for a length of time equivalent to one hundred plus four Space Shuttle missions and to also obtain detailed pressure distributions over the vertical tail.

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NOMENCLATURE

BETA	Model angle of sideslip referenced to the tunnel centerline (positive leading edge left), deg.
IRIG	Inter-Range Instrumentation Group standard time code
LRSI	Low temperature refractory surface insulation
M	Free-stream Mach number
OML	Outer mold lines
POINT	Point number (a single record of test variables)
P^2B	Precision pressure balance transducers
PT	Free-stream total pressure, psfa
Q	Free-stream dynamic pressure, psf
RUN	Run number (a data subset containing variations of only one independent parameter)
SIP	Strain isolation pad that TPS tiles are bonded to
TPS	Thermal Protection System
TRAJECTORY	User designation of flight conditions simulated for either ascent (BOOST) or descent (ENTRY) of the NASA Orbiter Space Shuttle
X/C	Distance aft of the leading edge of the vertical tail divided by the vertical tail local chord
ZV/Z_v	Vertical distance above the bottom of the vertical tail, in.
ΔP	Uncertainty in P^2B pressure, psf
ΔCP	Uncertainty in pressure coefficient

TABULATED DATA NOMENCLATURE

Line 1

RN	Run number (a data subset containing variables of only one independent parameter)
PN	Point number (a single record of test variables)
PROJECT	AEDC project number
TEST	AEDC test number
DATE	Date on which the data were obtained
DAY:HR:MIN:SEC	Day of the year, hour, minute, and second the data were obtained
MODE	Data acquisition selection code
DELPI	Primary input deletion and selection code
PROD:DATE	Date the data were computed
WINDOFF	Wind-off RN/PN used to reduce the data
SET	Constant set that was used to reduce the data
CART	Test section in which the model was installed

Line 2

M	Free-stream Mach number
PT	Free-stream total pressure, psfa
P	Free-stream static pressure, psfa
Q	Free-stream dynamic pressure, psf
REX10-6	Free-stream unit Reynolds number, per ft
TT	Free-stream total temperature, ^{o}F
TTR	Free-stream total temperature, ^{o}R

Line 2 - Concluded

H	Pressure altitude, ft
PC	Plenum chamber pressure, psfa
DP	Selected differential pressure, psf
WA	Test section wall angle, deg.
TPR	Tunnel pressure ratio
SHX10+3	Specific humidity, lb/lb

Line 3

MODEL	User model identification number
TRAJECTORY	User designation of flight conditions simulated for either ascent (BOOST) or descent (ENTRY) of the NASA Orbiter Space Shuttle
ALPHA	Model angle of attack (positive nose up), deg.
BETA	Model angle of sideslip (positive leading edge left), deg.
SPEED BRAKE	Deflection angle between left and right speed brake, deg.

Line 4

X/C	Local distance aft of the leading edge of the vertical tail divided by the vertical tail local chord
ZV	Vertical distance above the bottom of the vertical tail, in.
ORIFICE	User identification number of pressure orifices located on the vertical tail
PRESSURE	Local static pressure for one particular orifice, psfa
COEFFICIENT	Pressure coefficient for one particular orifice, (PRESSURE-P)/Q

CONFIGURATIONS INVESTIGATED

The test article was a full-scale model of the upper one-quarter portion of the NASA Orbiter vertical tail. A photograph of the model installation is shown in Fig. 2a. The model was mounted on the AEDC ALCM strut and Polaris base frame with the base of the model one-half inch above the tunnel floor. The general arrangement of the model showing its primary dimensions is presented in Fig. 1b. Ninety-seven (97) static pressure orifices were connected to the Precision Pressure Balance (P^2B) system to measure the pressure distributions on the vertical tail. The static pressure orifices were distributed over the vertical tail as shown in Figs. 1c through 1f. Thirteen (13) Kulite® transducers used to measure fluctuating pressures were located in the TPS tiles as shown in Fig. 1g. Additional details of the orifice locations are presented in Table IV. Figure 1h gives a brief description of the orifice types presented in Table IV. The speed brakes were deflected 55 deg. (including the angle between inner surfaces) at zero angle of sideslip for all entry simulations of the NASA Orbiters.

The only areas of the model to use tiles were the right- and left-hand sides between Z_V = 263.5 and Z_V = 297, aft of the 60% chord line, excluding the cone area. Figures 1i and 1j show a number that is used to identify each tile.

Forty-three of the tiles, shaded in Figure 1i and 1j, are made of production refractory surface insulation (RSI) material and were applied to

the model per Drawing VT70-093909. The remaining tiles are constructed of foam and are bonded to the model without the use of a strain isolation pad (SIP).

INSTRUMENTATION

The vertical tail was instrumented with 97 static pressure orifices at various locations on the model and at various levels in the TPS tiles, as described in Table IV and Fig. 1h. Thirteen Kulite® miniature pressure transducers (Model No. XCQH-093-5), supplied by Rockwell International, were used to measure fluctuating pressures over the TPS tiles. The vertical tail also contained three single-axis, Endevco® accelerometers (Model 2225) used to monitor the torsional loads on the ALCM strut. The bending moment on the ALCM strut, which was monitored as a safety precaution against strut failure, used a single-component strain gage mounted at the base of the strut. During tunnel operation, the model was continually filmed by two movie cameras operating at 4 frames per second (fps) and two closed-circuit television cameras. As each nominal test condition was obtained, three high-speed cameras operating at 350 fps were actuated for short periods. One of each of these cameras (low speed, high speed, video tape) was located on each side of the model to monitor both sections of TPS tiles. One high-speed camera was located downstream of the model on the tunnel scavenging scoop. These films were all recorded with inter-range instrumentation group (IRIG) timing marks to enable time correlation of tunnel test conditions. Model angle of sideslip was measured using stereophotographic pictures taken from cameras mounted on the top wall of the tunnel.

TEST FACILITY DESCRIPTION

The AEDC Propulsion Wind Tunnel (16T) is a variable density, continuous-flow tunnel capable of being operated at Mach numbers from 0.2 to 1.5 and stagnation pressures from 120 to 4000 psfa. The maximum attainable Mach number can vary slightly depending upon the tunnel pressure ratio requirements with a particular test installation. The maximum stagnation pressure attainable is a function of Mach number and available electrical power. The tunnel stagnation temperature can be varied from about 80 to 160°F depending upon the cooling water temperature. The tunnel is equipped with a scavenging system which removes combustion products when testing with rocket motors or turbo-engines. The test section is 16 ft square by 40 ft long and enclosed by 60-deg inclined-hole perforated walls of six-percent porosity. The general arrangement of the test section and the test article location are shown in Fig. 1a. Additional information about the tunnel, its capabilities, and operating characteristics is presented in Ref. 1.

TEST PROCEDURES

Data were obtained by continually changing tunnel conditions through the required Mach number sweep and as each nominal test condition was approached, static and fluctuating pressure data were sampled. Mach number sweeps generally took between 15 and 20 minutes to complete. The fluctuating pressure data were recorded on multiplexed magnetic tape for 15 seconds for each test condition. At the end of each Mach number sweep, an extensive model inspection was conducted. A summary of nominal test conditions is presented in Table I and a test program run number summary is presented in Table II.

All steady-state measurements were sequentially recorded by the facility on-line computer system, which reduced the data to engineering units, further processed the data to obtain the required model parameters, tabulated the data to obtain the required model parameters, tabulated the data in the Tunnel 16T control room, recorded the data on magnetic tape, and transmitted the data to the AEDC central computer file. The data stored in the central computer file were generally available for plotting and analysis on the PWT Interactive Graphics System within 30 seconds after data acquisition. The immediate availability of the tabulated and plotted data permitted continual on-line monitoring of the test results.

REMARKS

A significant portion of the tunnel occupancy time was required for model inspections. After each test period, all TPS tiles and associated flight hardware were inspected to determine if there had been any type of tile damage. Inspection requirements before a test run consisted of three steps. First, measurements of the step height and gaps between tiles were made to document any shifts in the tile positions. Next, an alcohol evaporation inspection of the coated surfaces of each TPS tile was performed to visualize any cracks. If cracks were found, an individual tile crack map was drawn. Finally, detailed photographs were taken to show tile conditions before and after each test run.

During the first run of the STS-1 boost trajectory, the model sustained minor damage to some of the tile gap fillers as shown in Fig. 2i. The frayed fillers were trimmed and sprayed with Krylon® clear plastic to hold them in place during further testing. The tiles shifted positions noticeably after each run. There was no major damage incurred by any tile during the test.

DATA REDUCTION

All model static pressures were nondimensionalized using the free-stream dynamic pressure, Q. All fluctuating pressure data taken from the model Kulites® were to be analyzed by Rockwell International after the test. Stereophotographic pictures of the model were analyzed to compute any significant twist of the ALCM strut and the resultant angle of sideslip.

REFERENCES

1. Test Facilities Handbook (Eleventh Edition). "Propulsion Wind Tunnel Facility, Vol. 4." Arnold Engineering Development Center, June 1979.

2. Abnernethy, R. B. and Thompson, J. W., Jr. "Handbook - Uncertainty in Gas Turbine Measurements." AEDC-TR-73-5 (AD755356), February 1973.

3. Kingsland, R. B. "Pretest Information for Test OS-49 of the Full Scale Upper Rudder to Fin Tip Gap Model of the OV-102 Orbiter Vertical Tail in the AEDC/USAF 16T Transonic Wind Tunnel Model 111-0" Rockwell International SOD 80-0461, October 1980.

TABLE I

TEST CONDITIONS

NOMINAL DYNAMIC PRESSURES
(PSF)

TRAJECTORY	MACH NUMBER				
	0.80	0.90	1.10	1.25	1.40
ASCENT					
STS-1 LIMIT	555	608	635	640	655
DESIGN	603	660	754	714	664
ENTRY					
DESIGN	375	375	375	375	375
1.25 DESIGN	468	468	468	468	468
1.40 DESIGN	525	525	525	525	525

TABLE II. SUMMARY

TRAJECTORY	BETA	SPEED BRAKE	MACH NUMBER	RUN/POINT RANGE	REMARKS
STS-1 BOOST	-4.00	0.00	0.79	4.001/4.002	Q = 400PSF mark.
			0.80	4.003/4.005	
			0.90	4.006/4.008	
			1.10	4.009/4.011	
			1.25	4.012/4.014	
			1.40	4.015/4.017	
			0.87	4.018	Q = 400PSF mark.
DESIGN BOOST	-4.00	0.00	0.90	8.001/8.002	Q = 400PSF mark.
			0.90	8.010/8.012	
			1.10	8.013/8.015	
			1.25	8.016/8.018	
			0.82	8.019/8.020	Q = 400PSF mark.
STS-1 BOOST	-4.00	0.00	0.80	12.004	Q = 400PSF mark.
			0.80	12.005/12.006	
			0.90	12.007/12.008	
			1.10	12.009/12.010	
			1.25	12.011/12.012	
			1.40	12.013/12.014	
			0.90	12.017	Q = 400PSF mark.

TABLE II. (Continued)

TRAJECTORY	BETA	SPEED BRAKE	MACH NUMBER	RUN/POINT RANGE	REMARKS
ENTRY NOMINAL	0.00	55.00	0.80	15.004	Q = 250PSF mark.
			0.80	15.005/15.007	
			0.90	15.008/15.010	
			0.96	15.011/15.015	Sweep was terminated early.
ENTRY NOMINAL	0.00	55.00	0.78	17.001	Q = 250PSF mark.
			0.80	17.002/17.004	
			0.90	17.005/17.007	
			1.10	17.008/17.010	
			1.25	17.011/17.013	
			1.40	17.014/17.016	
			0.89	17.017	Q = 250PSF mark.
1.25 ENTRY NOMINAL	0.00	55.00	0.80	20.003	Q = 250PSF mark.
			0.80	20.004/20.006	
			0.86	20.007	
			0.90	20.008/20.011	
			1.10	20.012/20.014	
			1.25	20.015/20.016	
			1.40	20.017/20.018	
			0.80	20.019	Q = 250PSF mark.

TABLE II (Continued)

TRAJECTORY	BETA	SPEED BRAKE	MACH NUMBER	RUN/POINT RANGE	REMARKS
1.40 ENTRY NOMINAL	0.00	55.00	0.79	23.004	Q = 250PSF mark.
			0.80	23.005/23.007	
			0.90	23.008	
			0.93	23.009/23.010	
			1.10	23.011/23.013	
			1.25	23.014/23.016	
			1.40	23.017/23.019	
			0.83	23.020	Q = 250PSF mark.
STS-1 BOOST	-4.00	0.00	0.79	29.002/29.003	Q = 400PSF mark.
			0.80	30.001/30.012	
			0.90	31.001/31.013	
			1.10	32.001/32.016	
			0.85	33.001/33.002	Q = 400PSF mark.
STS-1 BOOST	0.00	0.00	0.80	37.001/37.002	Q = 400PSF mark.
			0.80	37.003/37.005	
			0.90	37.006/37.008	
			1.10	37.009/37.011	
			1.25	37.012/37.014	
			1.40	37.015/37.019	
			1.10	37.020/37.021	Q = 400PSF mark.

TABLE II. (Concluded)

TRAJECTORY	BETA	SPEED BRAKE	MACH NUMBER	RUN/POINT RANGE	REMARKS
STS-1 BOOST	+4.00	0.00	0.76	40.001/40.002	Q = 400PSF mark.
			0.80	41.001/41.010	
			0.90	42.001/42.016	
			1.10	43.001/43.013	
			1.25	44.001/44.012	
			1.40	45.001/45.009	
			1.00	46.001/46.002	Q = 400PSF mark.

Table III. Static Pressure Orifice Locations and Types

ORIFICE NUMBER	ORIFICE TYPE	ZV, in.	X/C	REMARKS
201	D	260.0	0.00	Orifices Located at the OML. (Left Hand Side)
202			0.03	
203			0.06	
204			0.15	
205			0.30	
206			0.52	
207			0.68	
208			0.83	
209	C		1.00	Base Pressure
210	D	268.0	0.00	
211			0.03	
212			0.06	
213			0.15	
214			0.30	
215			0.52	
216			0.68	
217			0.78	
218			0.90	
219	C		1.00	Base Pressure
220	D	278.5	0.00	
221			0.03	
222			0.06	
223			0.15	
224			0.30	
225			0.52	
226		290.0	0.00	
227			0.03	
228			0.06	
229			0.15	
230			0.30	
231			0.52	
232			0.68	
233			0.78	
234			0.90	
235	C		1.00	Base Pressure
236	D	300.0	0.00	
237			0.03	
238			0.06	
239			0.15	
240			0.30	
241			0.52	
242			0.68	
243			0.83	
244	C		1.00	Base Pressure

Table III. Continued

ORIFICE NUMBER	ORIFICE TYPE	ZV, in.	X/C	REMARKS
251	C	286.27	0.78	Orifices Located In Gap
252	C	285.01	0.90	Between Tiles (Left Hand Side)
253	E	288.84	0.68	
254	E	288.85	0.78	
255	E	287.54	0.90	
261	D	276.00	0.78	Orifices Located Inside
262	↓	↓	0.90	Left Hand Speed Brake
271	↓	↓	0.78	Orifices Located at the OML.
272	↓	↓	0.83	(Right Hand Side)
273	↓	↓	0.90	
274	C	↓	1.00	Base Pressure
275	D	277.5	0.78	
276	↓	↓	0.83	
277	↓	↓	0.90	
278	↓	280.00	0.70	
279	↓	↓	0.78	
280	↓	↓	0.83	
281	↓	↓	0.90	
282	↓	282.00	0.68	
283	↓	↓	0.78	
284	↓	↓	0.83	
285	↓	↓	0.90	
286	C	↓	1.00	Base Pressure

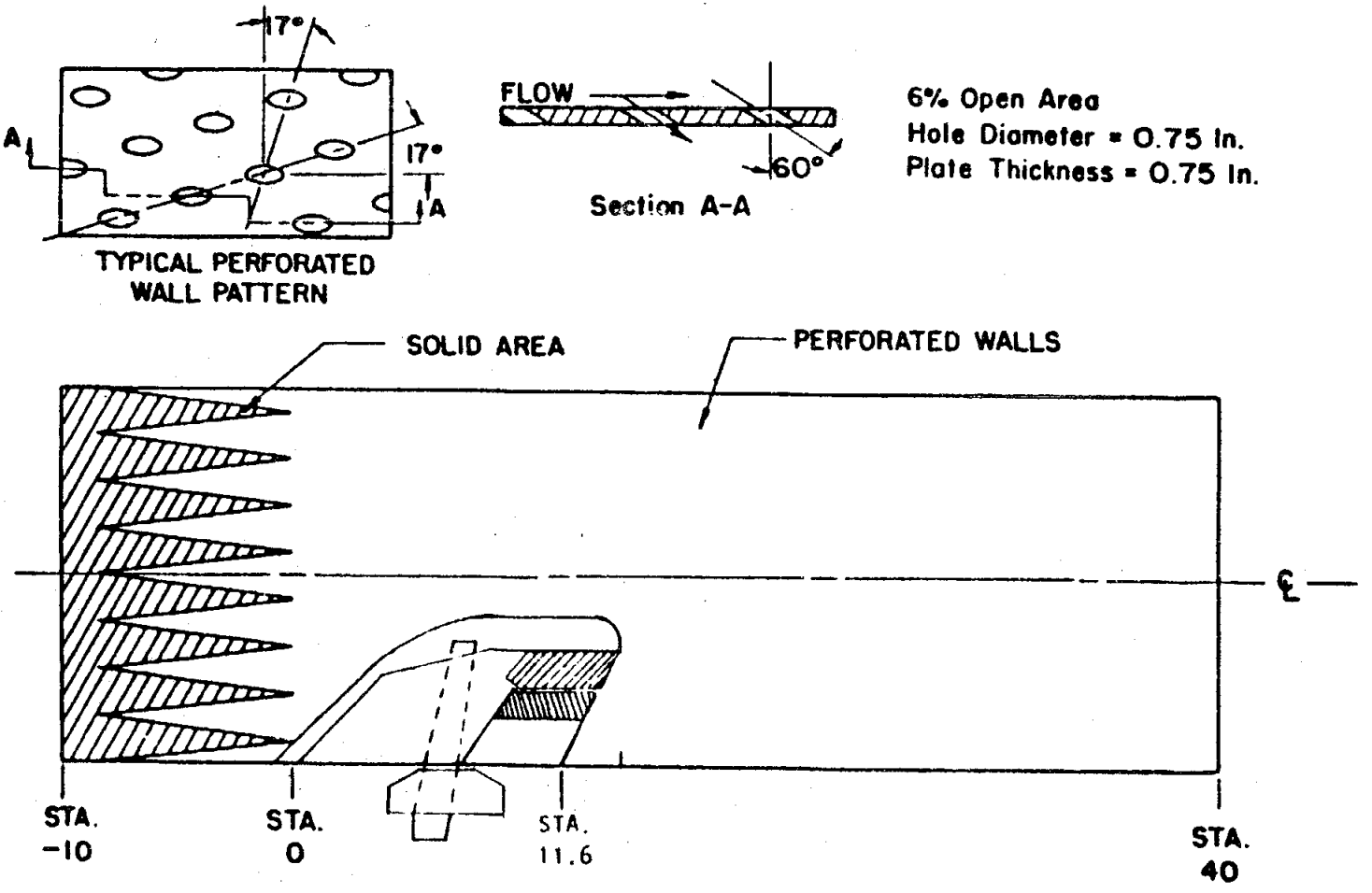
Table III. Concluded

ORIFICE NUMBER	ORIFICE TYPE	ZV, in.	X/C	REMARKS
291	B	275.45	0.15	Orifices Located Under Tiles. (Left Hand Side)
292	A	↓	0.26	
293	B	↓	0.77	
294	B	275.85	0.82	
295	A	↓	0.83	
296	B	↓	0.86	
297	B	275.90	0.95	
298	A	↓	0.97	
299	B	↓	0.98	
301	B	283.00	0.72	
302	A	↓	0.74	
303	B	↓	0.76	
304	B	281.00	0.90	
305	A	↓	0.92	
306	B	↓	0.94	
307	B	282.55	0.95	
308	A	↓	0.97	
309	B	↓	0.98	
310	B	287.65	0.61	
311	A	↓	0.63	
312	B	↓	0.65	
313	B	287.67	0.68	
314	A	↓	0.70	
315	B	↓	0.72	
316	B	287.00	0.89	
317	A	↓	0.90	
318	B	↓	0.91	
319	B	285.23	0.91	
320	A	↓	0.92	
321	B	↓	0.94	

Table IV. Kulite® Pressure Orifice Locations

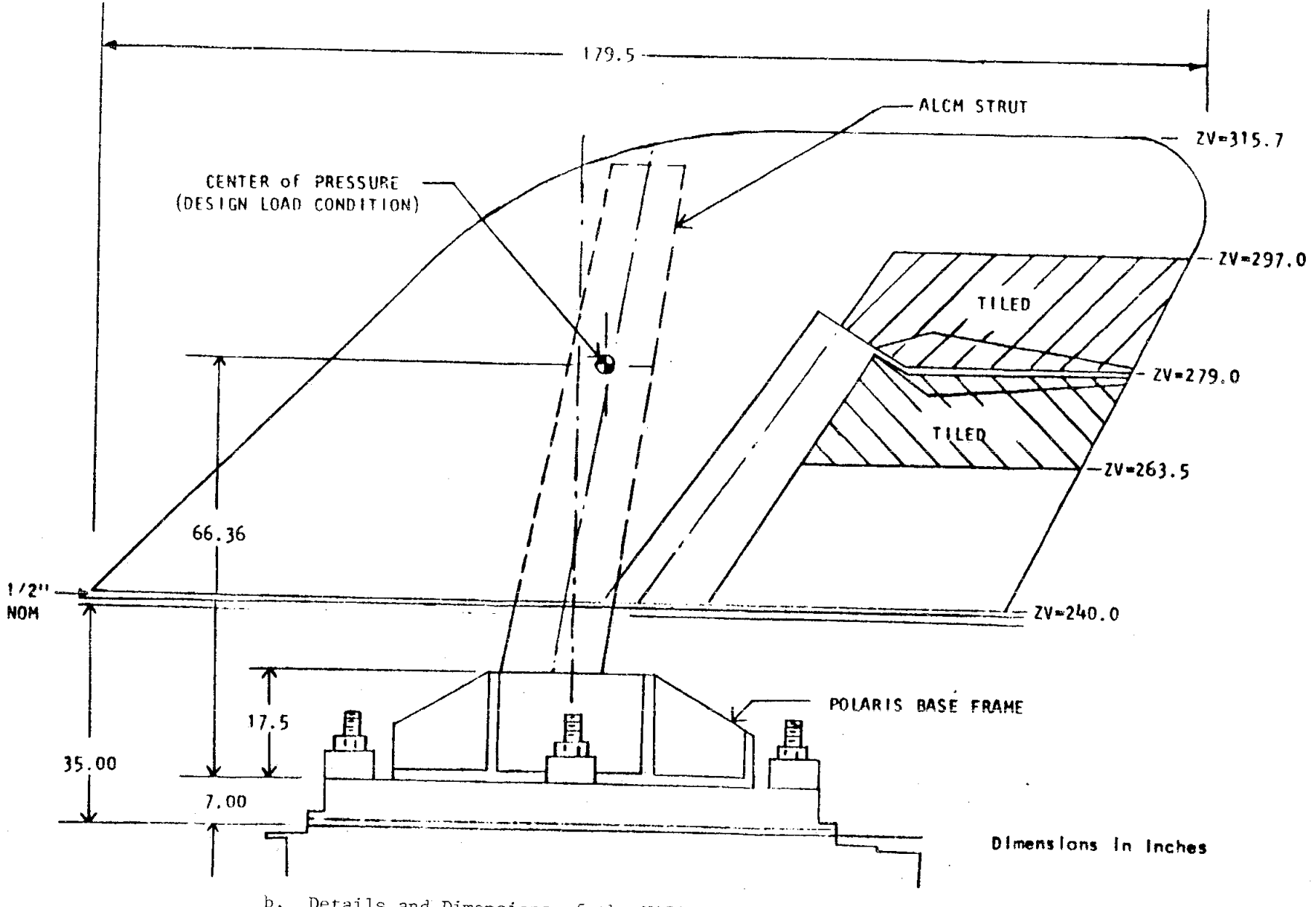
ORIFICE NUMBER	ORIFICE TYPE	ZV, in.	X/C	REMARKS
401	F*	273.00	0.70	Orfices Located at OML (Left Hand Side)
402			0.77	
403			0.85	
404		271.00	0.94	
405		278.5	0.70	
406			0.77	
407			0.85	
408			0.94	
409		275.00	1.00	
410		287.00	0.70	
411			0.77	
412			0.85	
413			0.94	

* Orifice Type F indicates a Kulite® Pressure Transducer



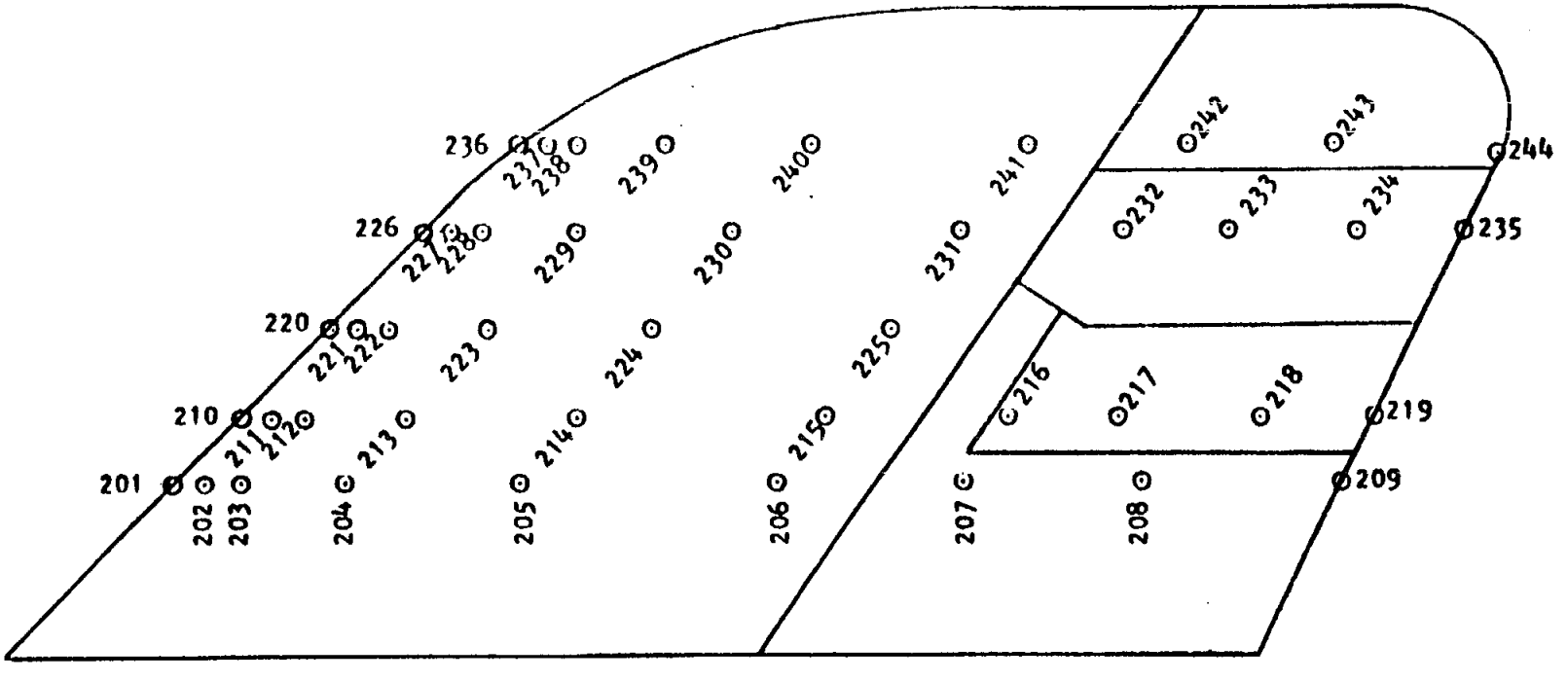
a. Test Article Location in Tunnel 16T

Figure 1. Model Figures

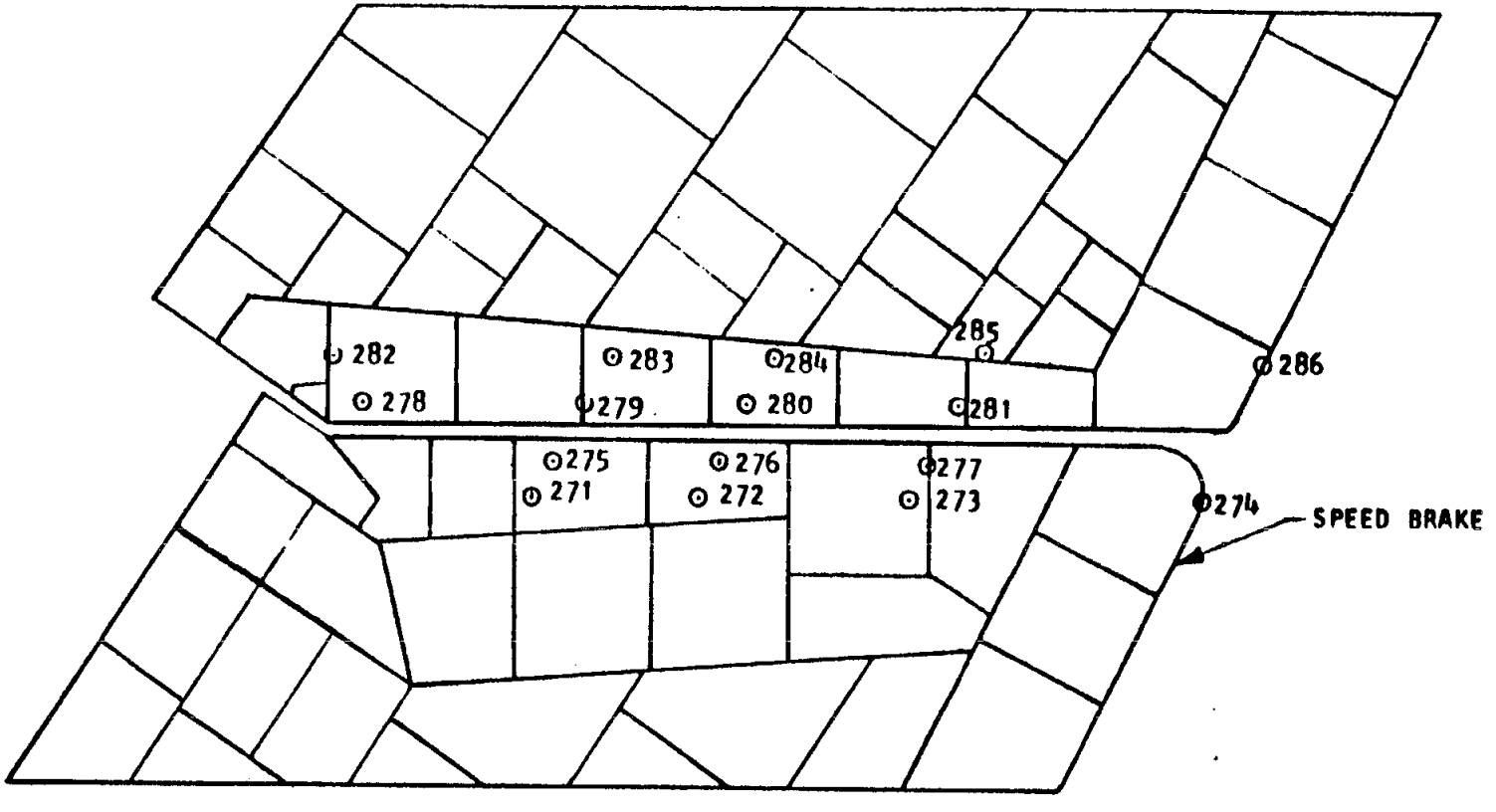


b. Details and Dimensions of the NASA Orbiter Vertical Tail

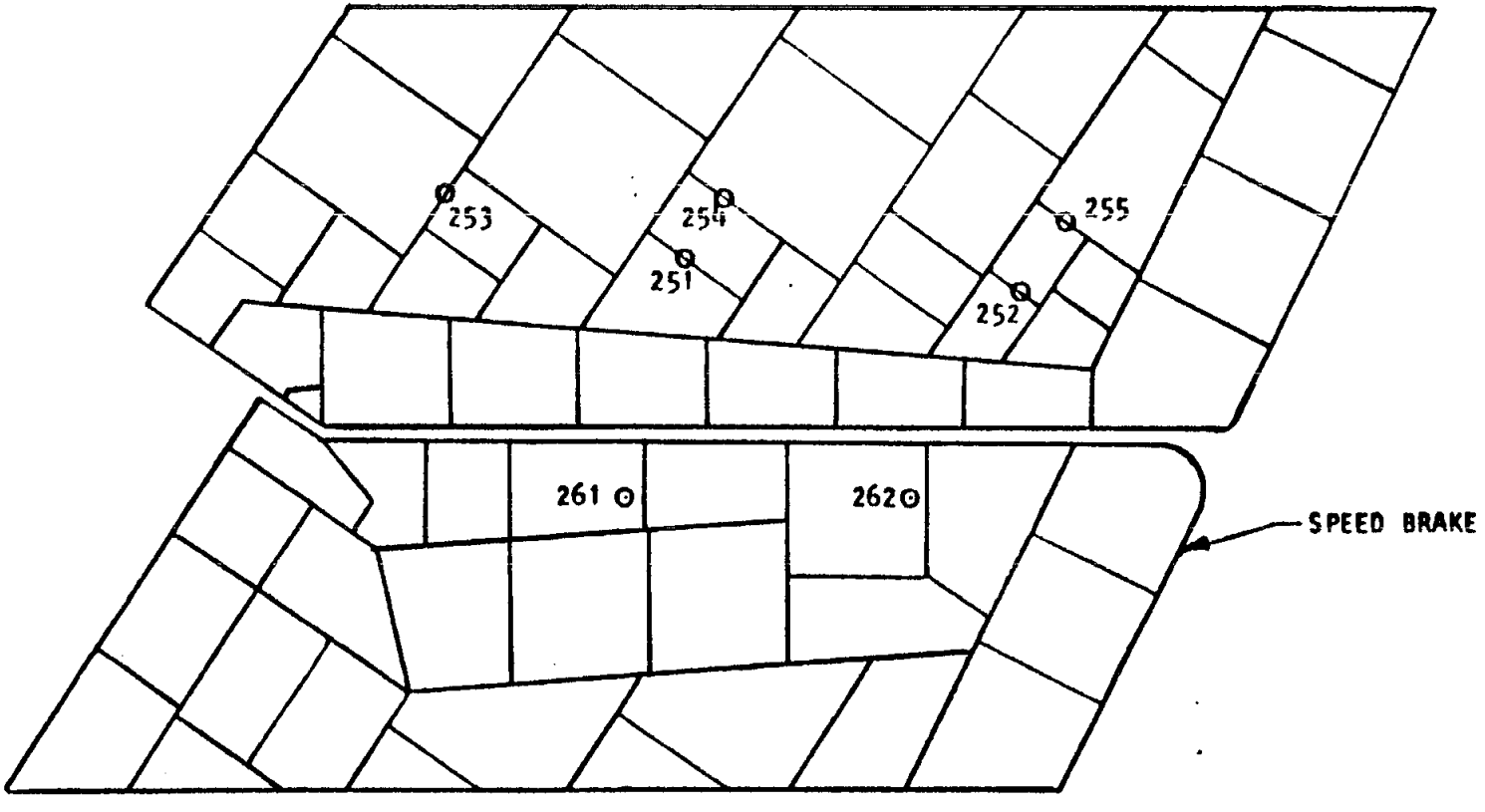
Figure 1. Continued



c. Static Pressure Orifice Locations on the OML (Left Hand Side)
Figure 1. Continued

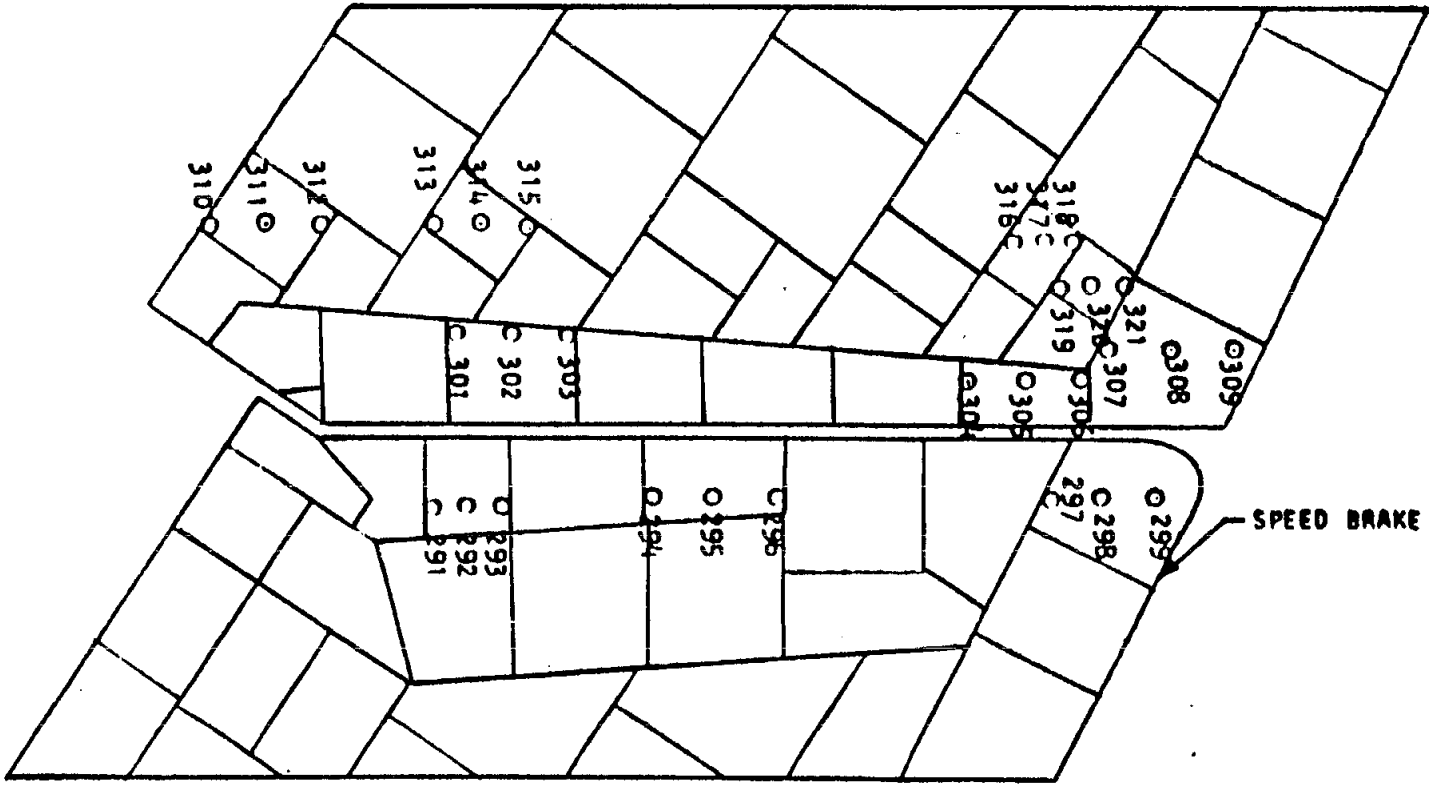


d. Static Pressure Orifice Locations on the OML (Right Hand Side)
Figure 1. Continued



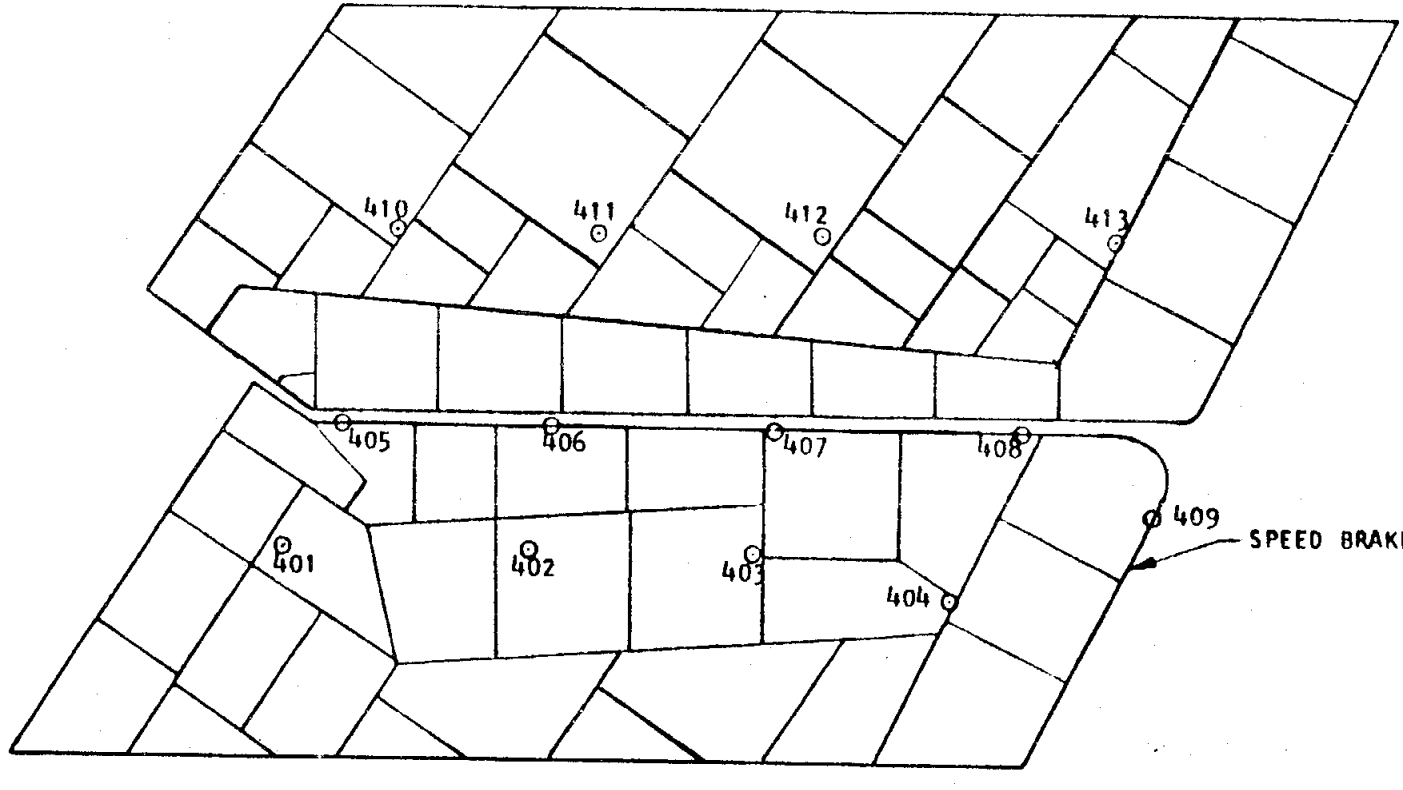
e. Static Pressure Orifice Locations in the Gaps between Tiles and Inside Speed Brake (Left Hand Side)

Figure 1. Continued

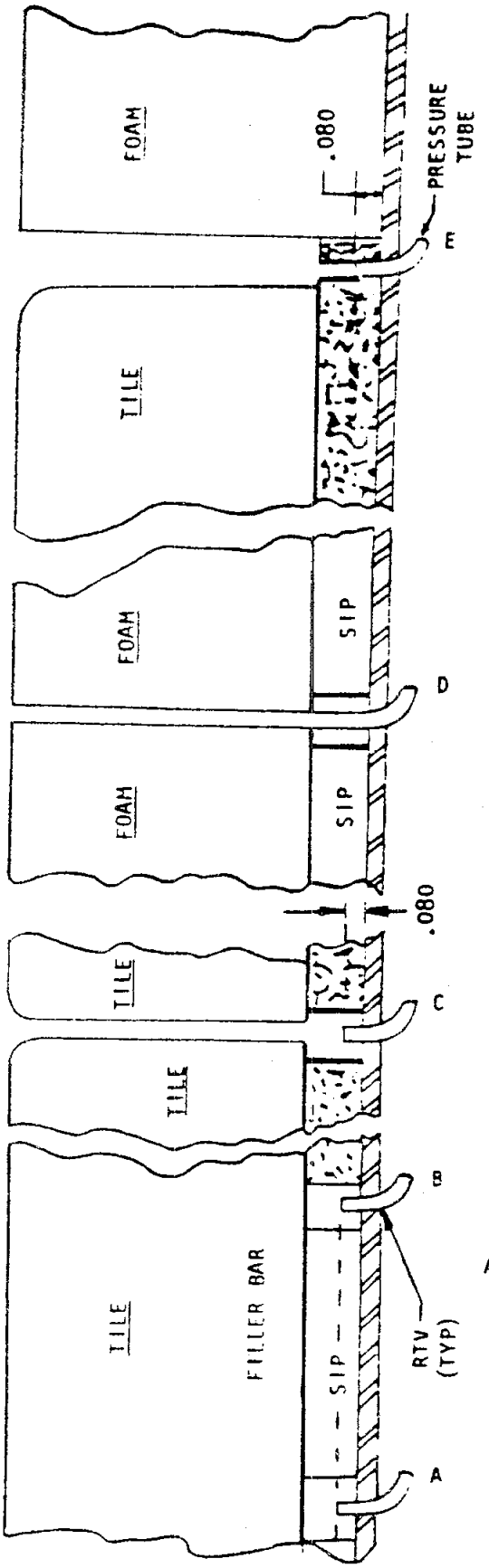


f. Static Pressure Orifice Locations Under TPS Tiles (Left Hand Side)

Figure 1. Continued



g. Kulite Pressure Orifice Locations (Left Hand Side)
Figure 1. Continued



ORIFICE TYPES

E. IN GAP BETWEEN LRSI TILE AND FOAM SIDES OF HOLE THROUGH FILLER BAR SEALED.

D. FLUSH WITH ML IN FOAM. FOAM AROUND ORIFICE SEALED.

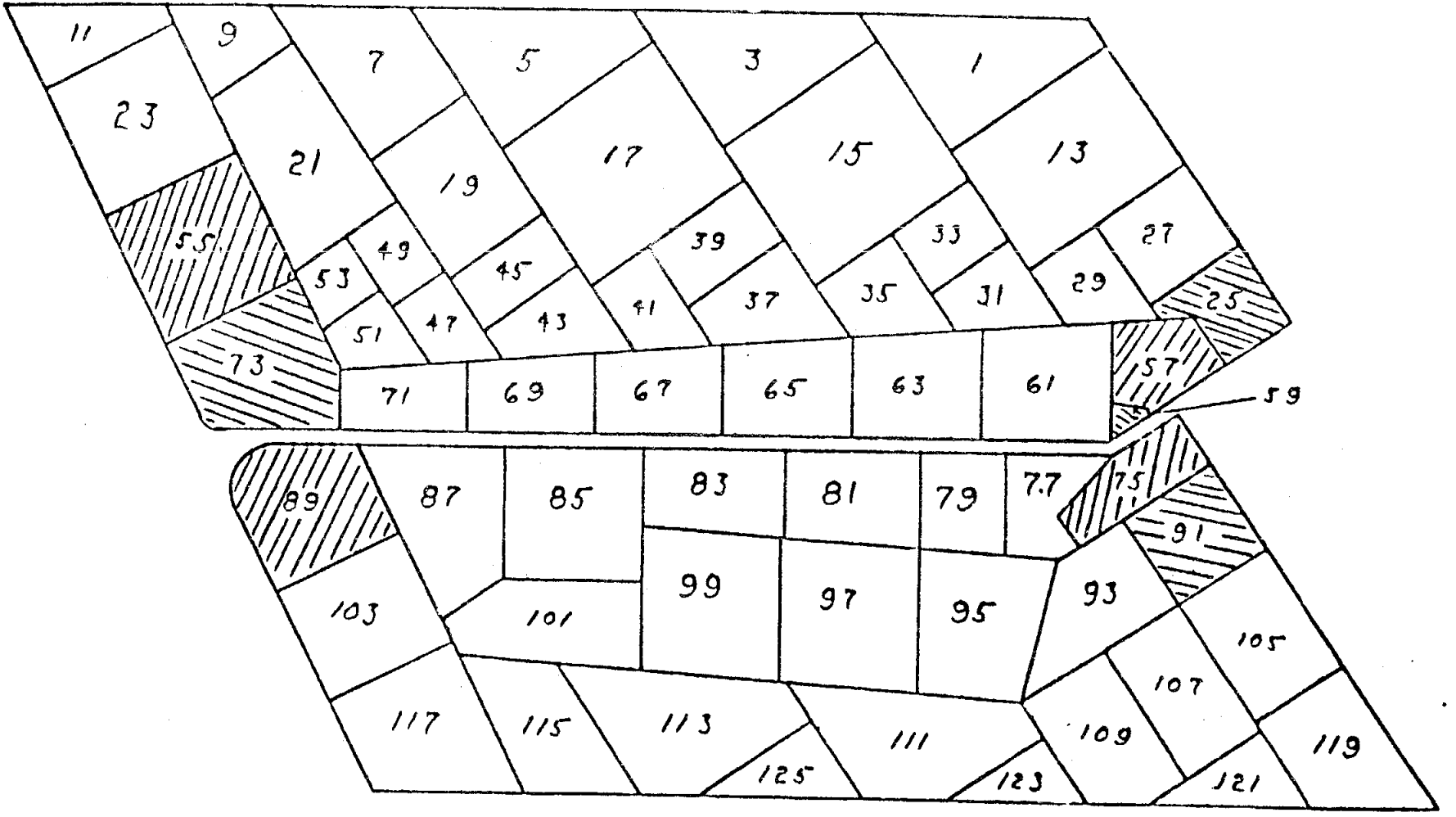
C. IN GAP BETWEEN TWO LRSI TILES SIDES OF HOLE THROUGH FILLER. BAR SEALED.

B. IN SPACE BETWEEN SIP AND FILLER BAR, UNDER LRSI TILE.

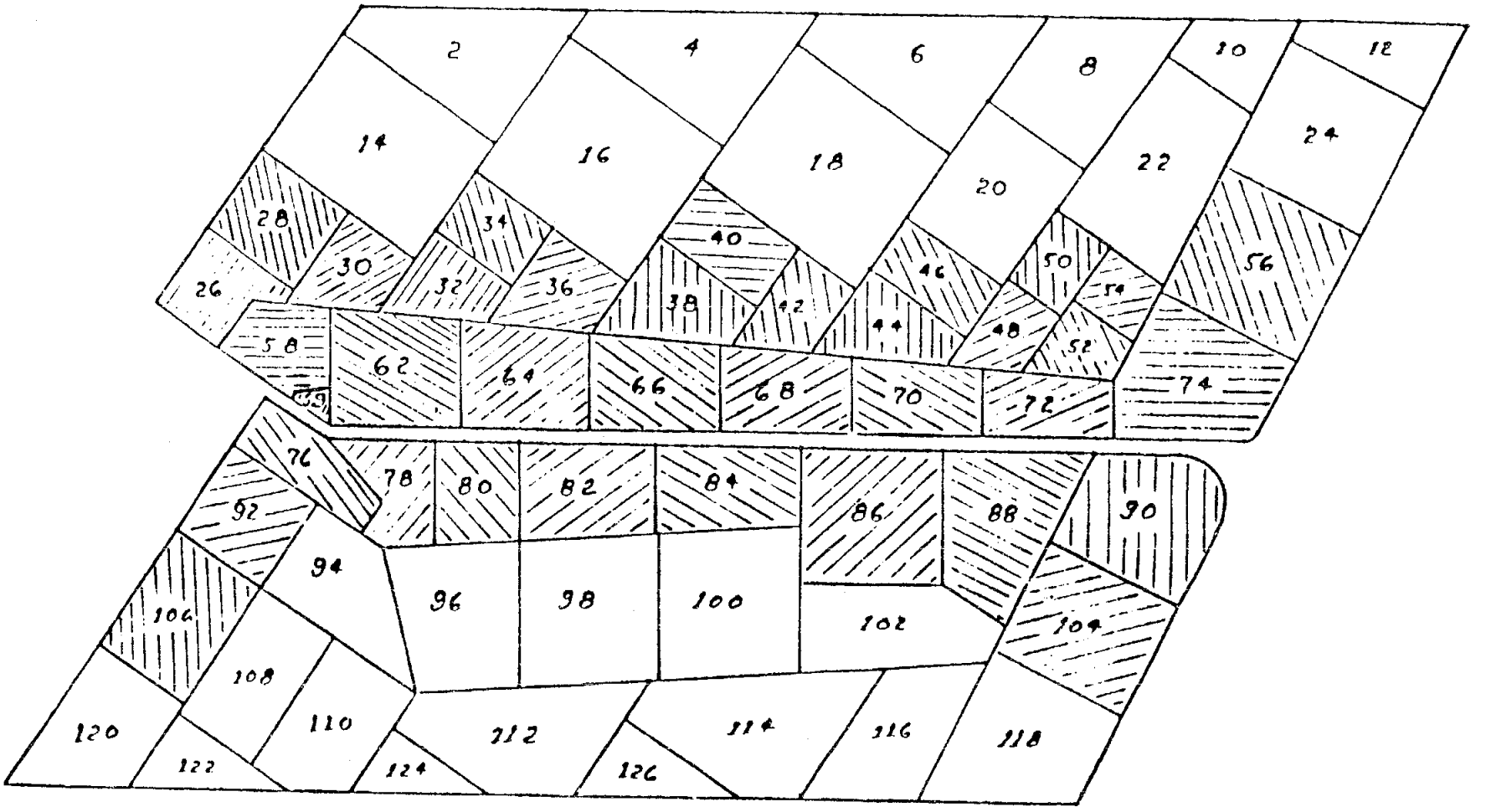
A. IN CENTER OF SIP UNDER LRSI TILE.

h. Orifice Type Designations

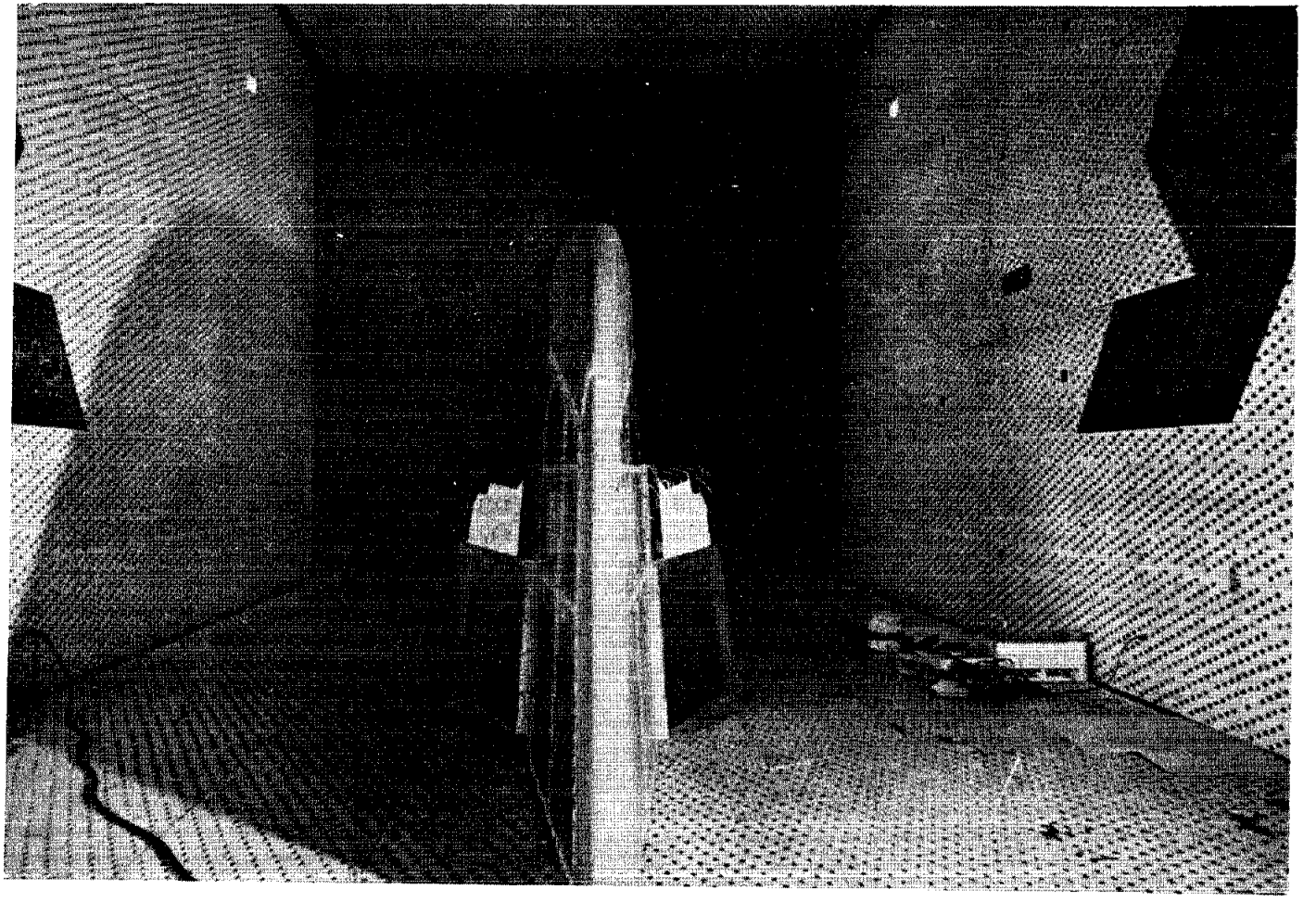
Figure 1. Continued



1. Tile Numbers - Right Hand Side
Figure 1. Continued

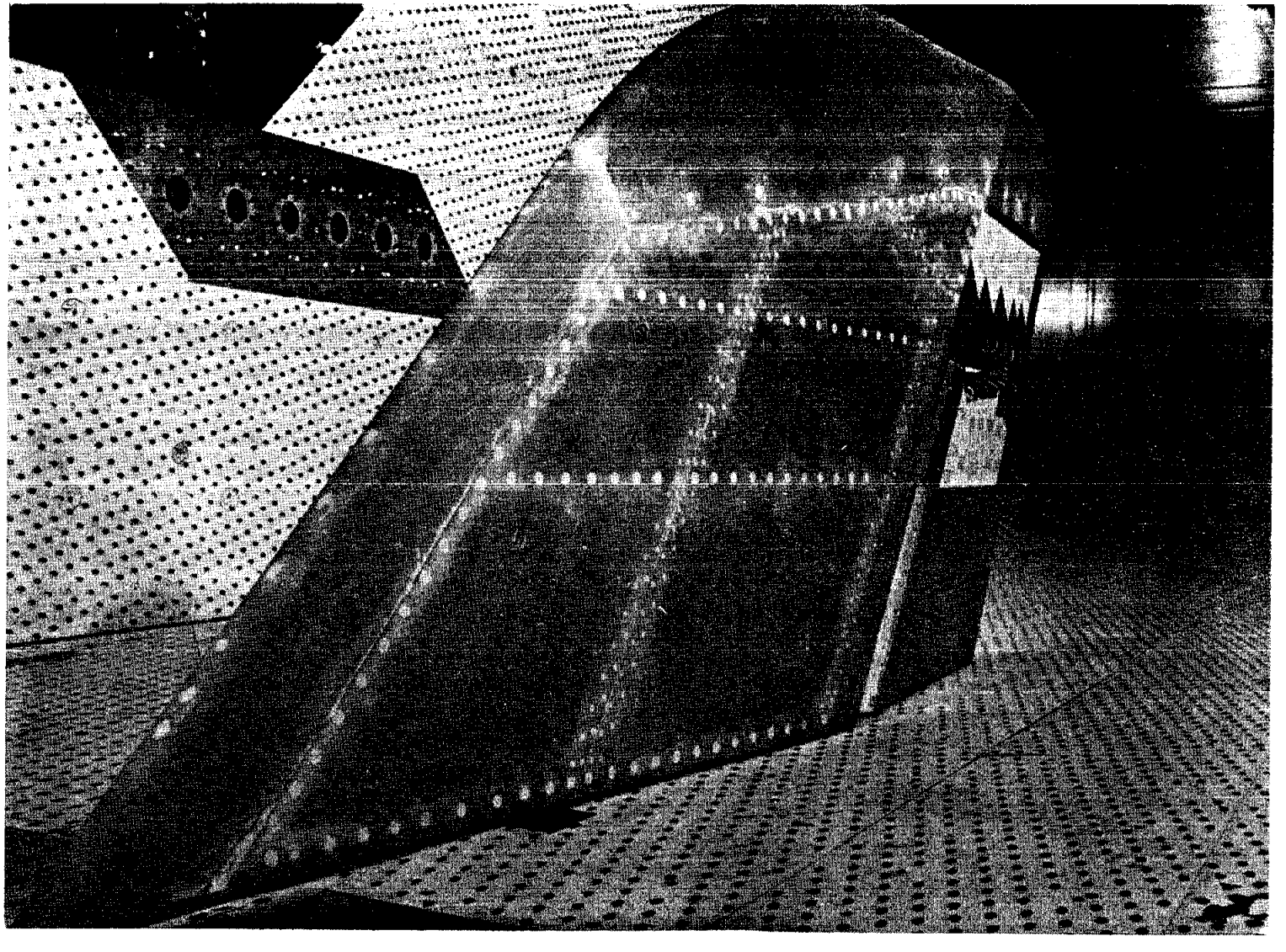


j. Tile Numbers - Left Hand Side
Figure J. Concluded

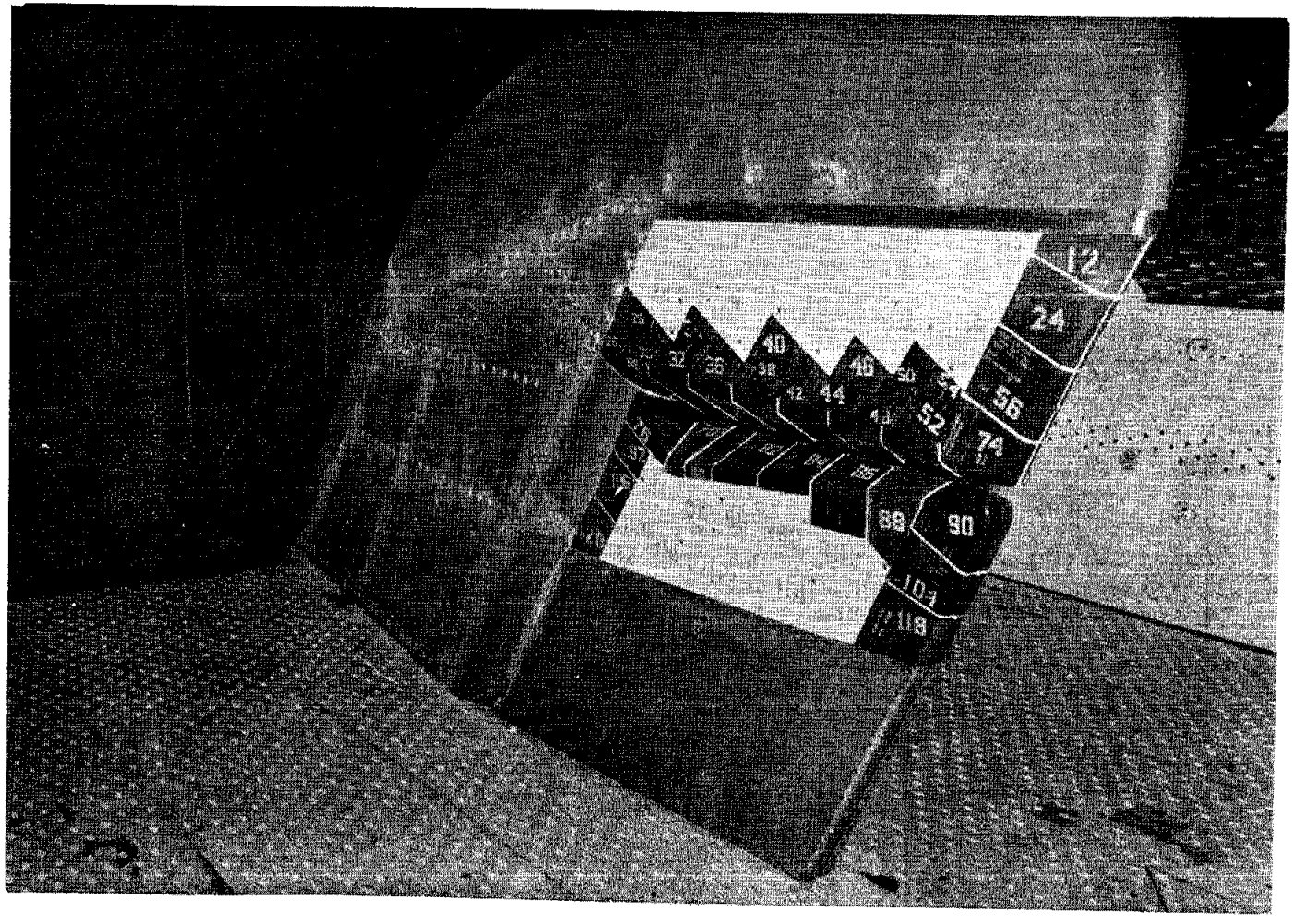


a. General Arrangement in Test Facility - Front View

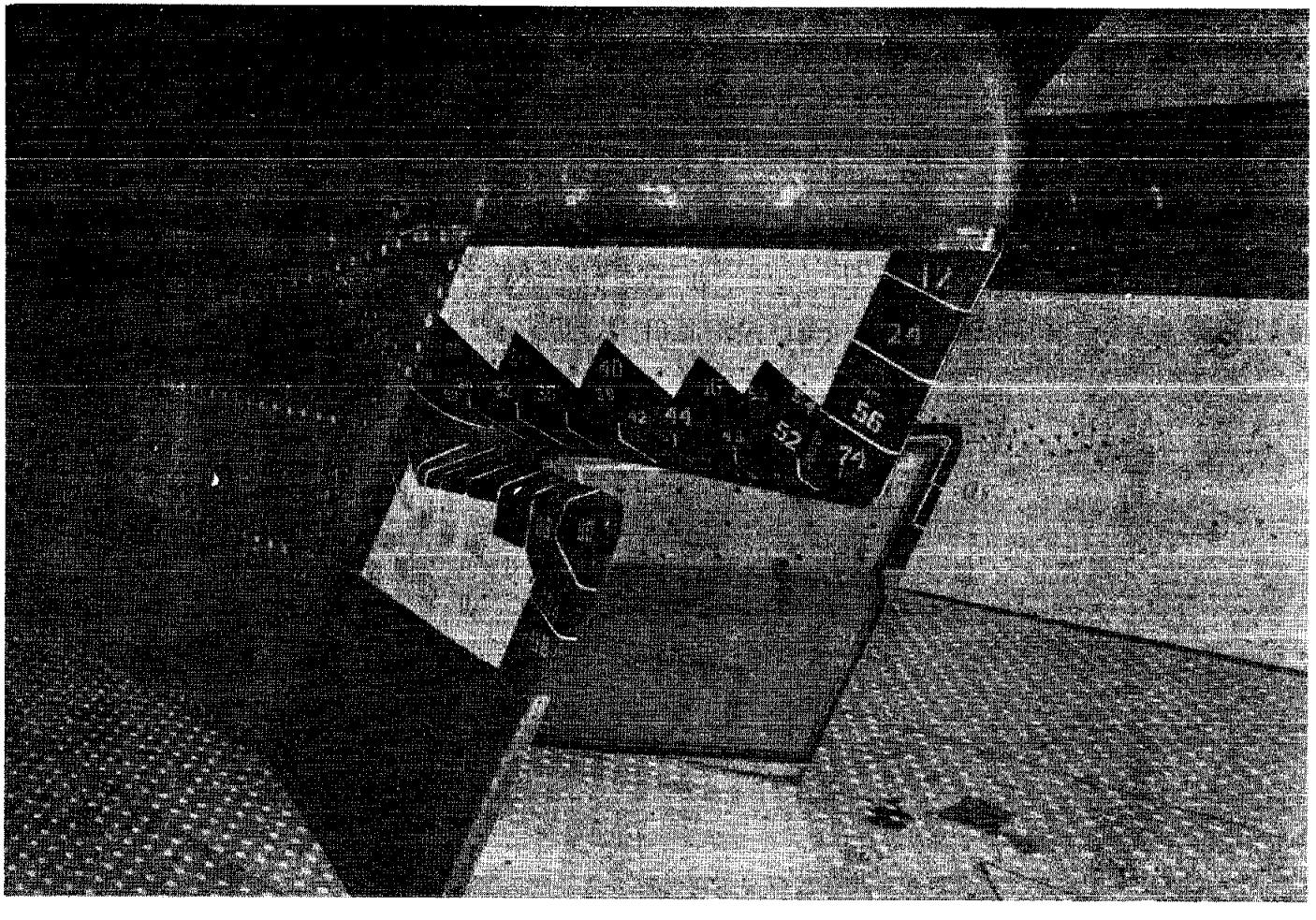
Figure 2. Model Photographs



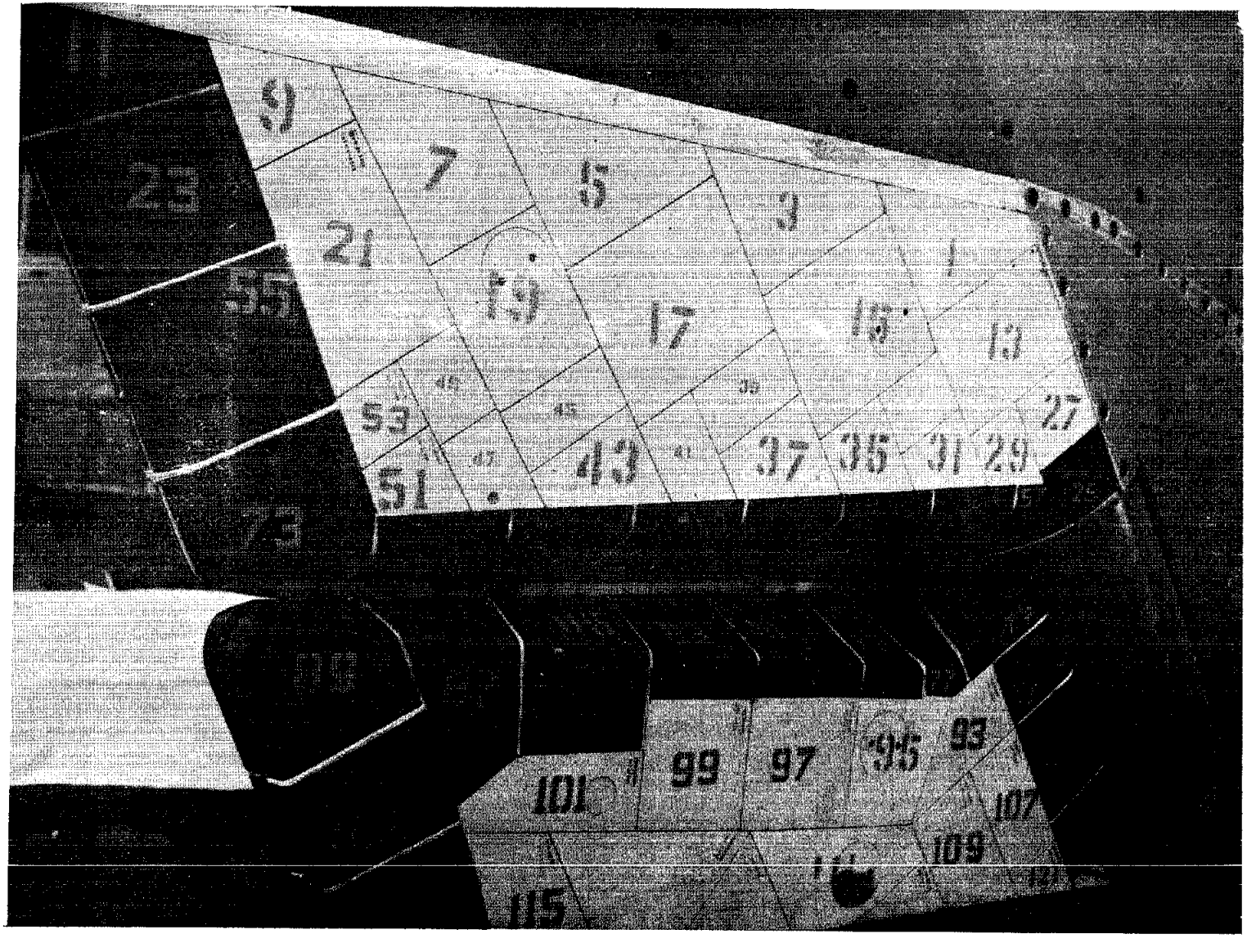
b. General Arrangement in Facility - Front 3/5 View
Figure 2. (Continued)



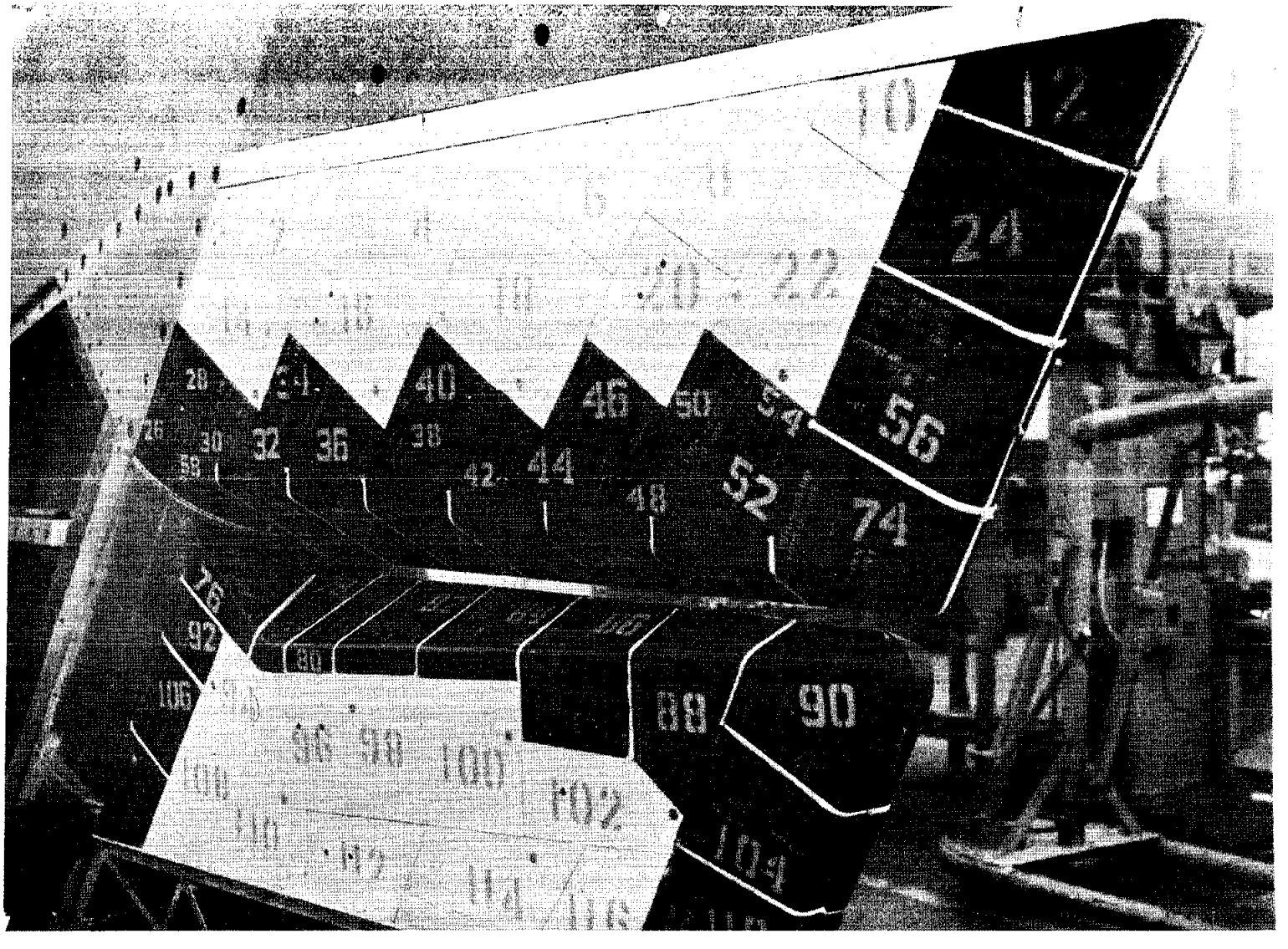
c. General Arrangement in Facility - Rear 3/4 View
Figure 2. (Continued)



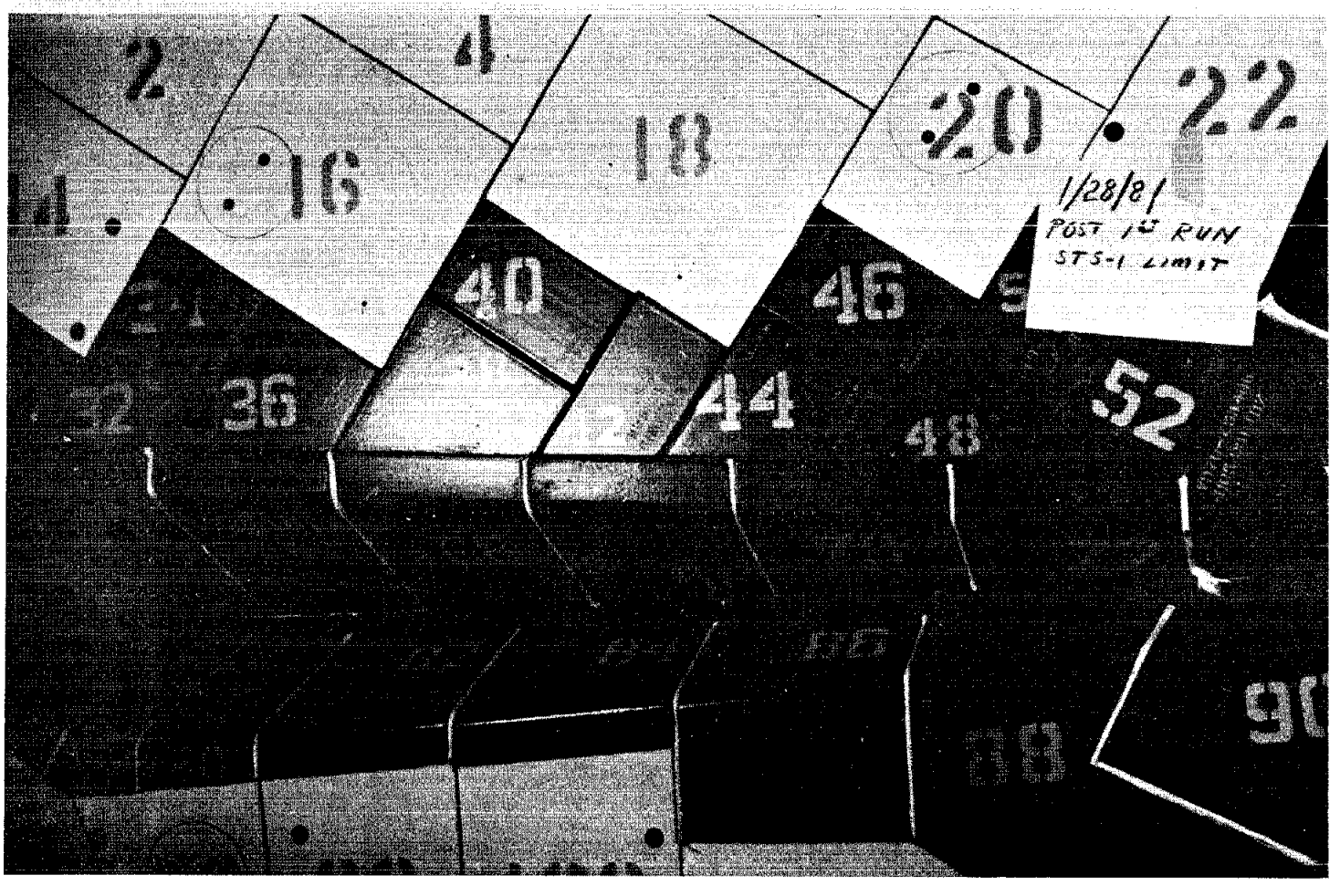
d. General Arrangement - Speed Brake Open
Figure 2. (Continued)



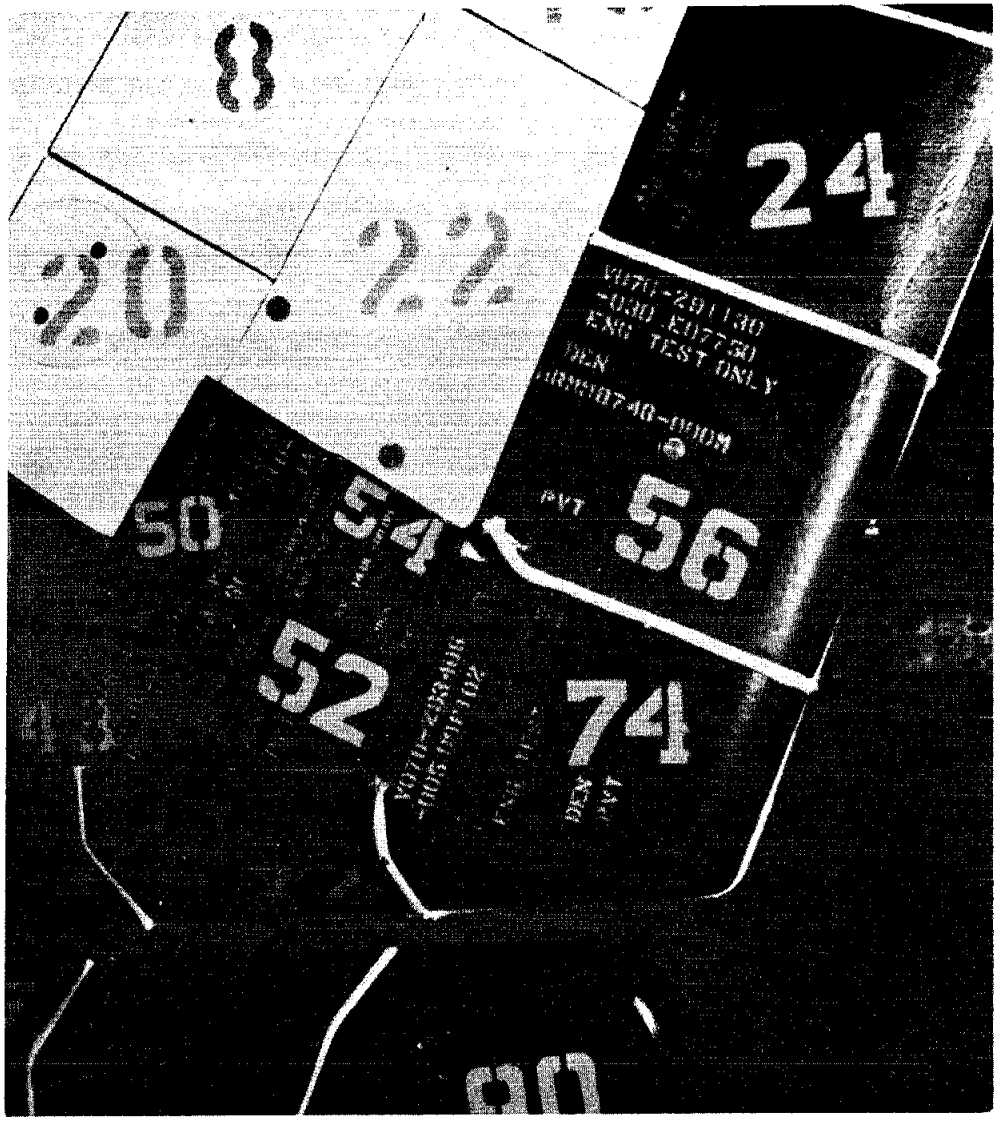
e. TPS General Arrangement - Right Hand Side
Figure 2. (Continued)



f. TPS General Arrangement - Left Hand Side
Figure 2. (Continued)

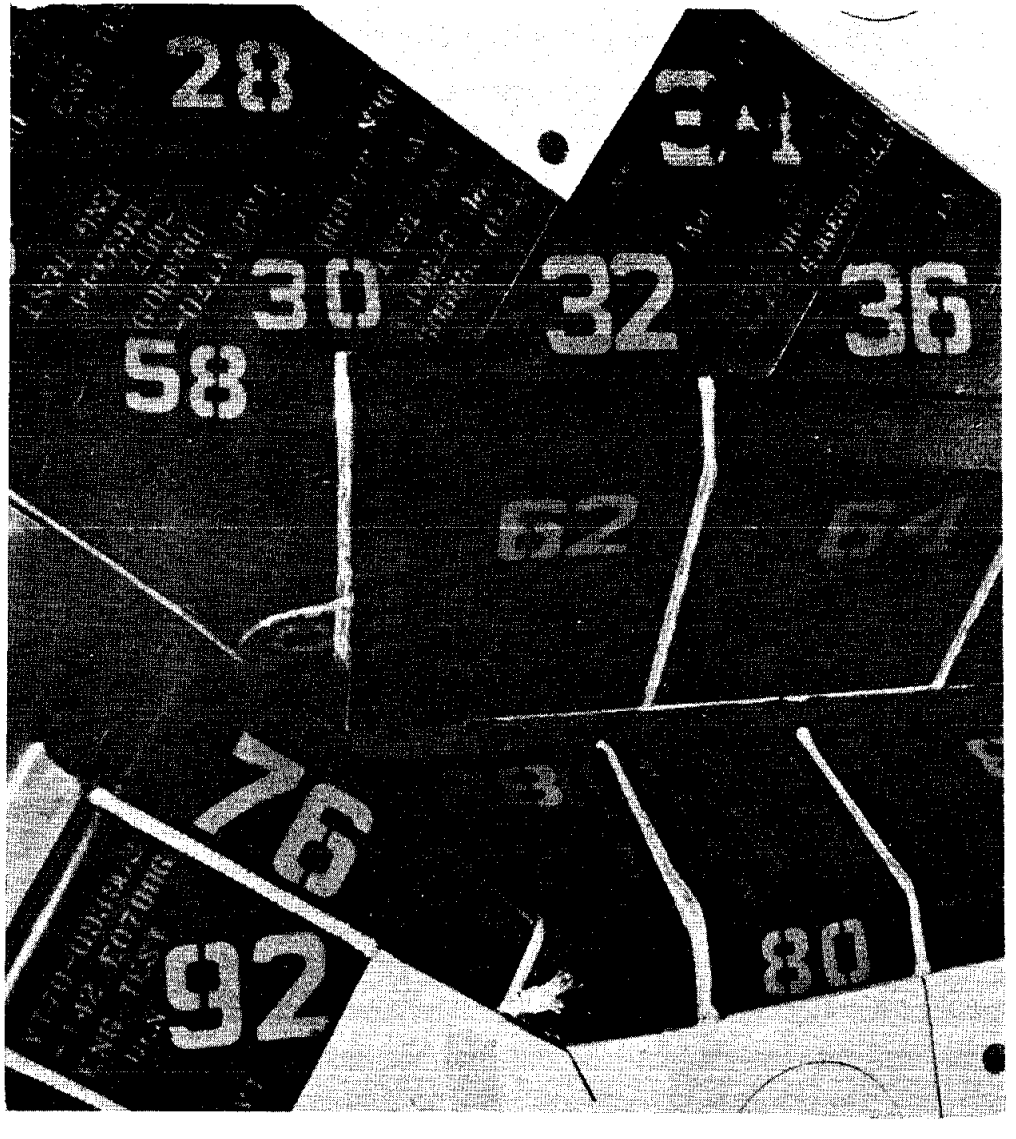


g. Post-STS-1 Limit (Run 1) - Gap Filler Damage
Figure 2. (Continued)

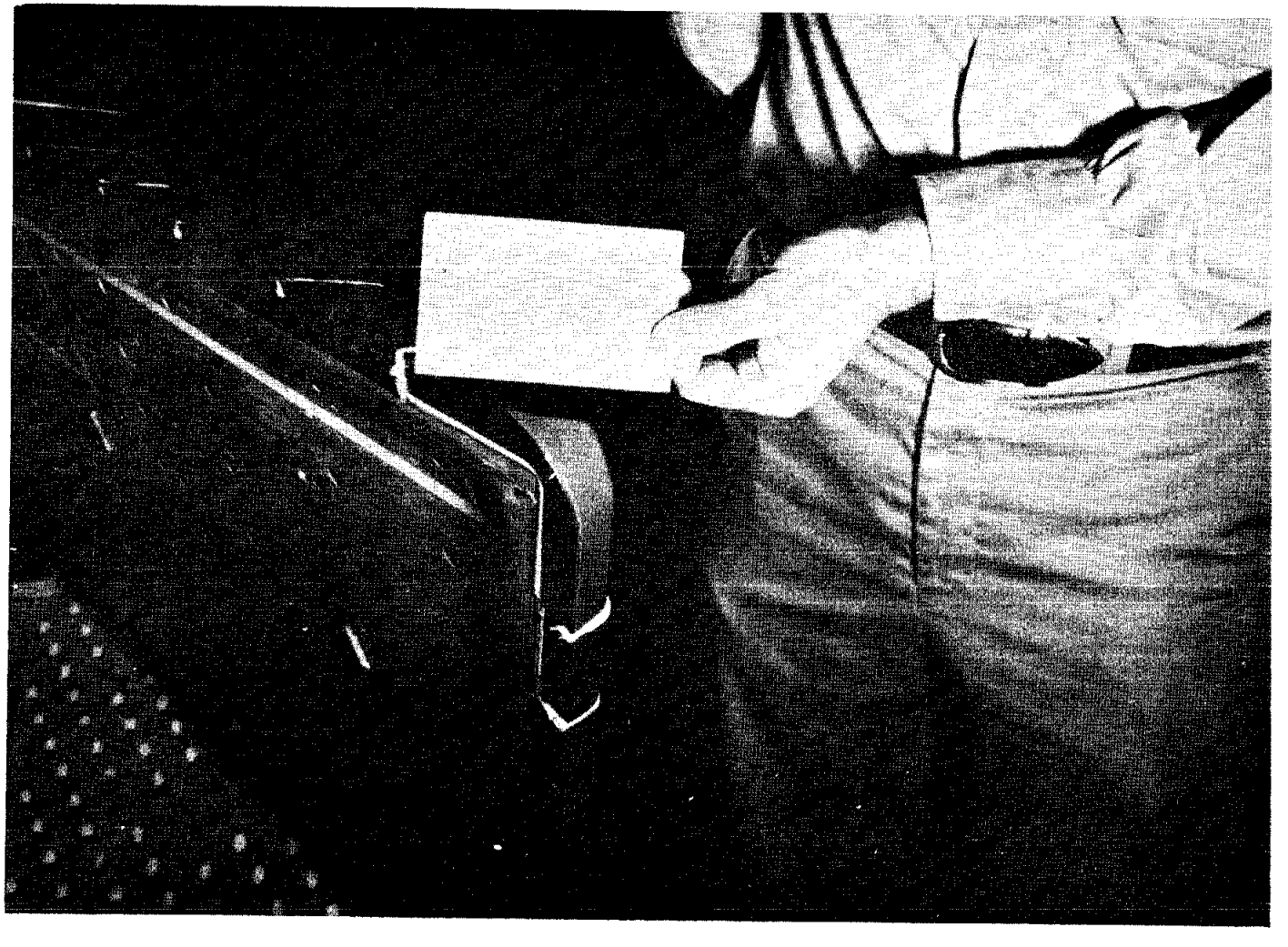


h. Post-STS-1 Limit (Run 1) - Gap Filler Damage Closeup
Figure 2. (Continued)

i. Post-STS-1 Limit (Run 1) - Gap Filler Damage Rear Closeup
Figure 2. (Continued)



j. Post-Design Limit (Run 2) - Gap Filler Damage
Figure 2. (Continued)



k. Post-Entry Design Ultimate (Run 1) - Speed Brake Open
Figure 2. (Concluded)

APPENDIX

TABULATED SOURCE DATA

Volume 1 - Runs 4-31

Volume 2 - Runs 32-46

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	1	P436-03	TF-556	1/29/81	29	2	9	26	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.789	1436.1	952.0	415.3	2.701	93.0	552.7	20482.	965.4	470.7	0.50	1.154	1.836

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1040.6	1020.4	1005.8	986.1	935.3	873.9									
	COEFF.	0.213	0.165	0.129	0.082	-0.040	-0.188									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1117.6	1029.8	1022.6	998.3	958.0	861.1									
	COEFF.	0.399	0.187	0.170	0.111	0.014	-0.219									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							753.2	753.0	764.3	853.5	856.*	874.4			
	COEFF.							-0.479	-0.479	-0.452	-0.237	-0.229	-0.187			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													841.2	852.7	869.1
	COEFF.													-0.267	-0.239	-0.200
	ORIFICE	220	221	222												
278.0	PRESSURE	1156.0	1028.8	1024.7												
	COEFF.	0.491	0.185	0.175												
	ORIFICE				223	224	225									
277.0	PRESSURE				1003.8	967.2	870.6									
	COEFF.				0.125	0.036	-0.196									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													853.9	857.4	863.1
	COEFF.													-0.236	-0.228	-0.214
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1163.2	1028.2	1033.1	1010.4	982.9	885.9									
	COEFF.	0.508	0.183	0.195	0.140	0.074	-0.159									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1179.9	1024.3	1024.8	1009.5	989.9	901.4									
	COEFF.	0.549	0.174	0.175	0.138	0.091	-0.122									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	1	P436-03	TF-556	1/29/81	29:	2:	9:	26	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.789	1436.1	952.0	415.3	2.701	93.0	552.7	20482.	965.4	470.7	0.50	1.154	1.836

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111.0	STS-1 800ST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	864.0			924.7										994.3
	COEFF.	-0.212			-0.066										0.102
290.0	ORIFICE	232	233					234							
	PRESSURE	821.8	908.9					943.5							
	COEFF.	-0.314	-0.104					-0.021							
288.0	ORIFICE	253	254					255							
	PRESSURE	677.7	920.3					947.6							
	COEFF.	-0.661	-0.076					-0.011							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						954.8	952.8	955.7						
	COEFF.						0.007	0.002	0.009						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		914.4					960.2	952.2	952.8	949.9				
	COEFF.		-0.091					0.020	0.000	0.002	-0.005				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							960.2		960.2	961.1	960.4	964.5	970.4	
	COEFF.							0.020		0.020	0.022	0.020	0.030	0.044	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			937.2	951.5	965.0						953.1	952.8	953.5	
	COEFF.			-0.036	-0.001	0.031						0.003	0.002	0.004	
268.0	ORIFICE	216	217					218							
	PRESSURE	841.8	885.4					931.3							
	COEFF.	-0.266	-0.161					-0.050							
260.0	ORIFICE	207			208										209
	PRESSURE	839.2			897.3										898.2
	COEFF.	-0.272			-0.132										-0.130

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	1	P436-03	TF-556	1/29/81	29: 2: 9:26	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.789	1436.1	952.0	415.3	2.701	93.0	552.7	20482	965.4	470.7	0.50	1.154	1.836

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			799.1			852.6	890.9		935.9		
	COEFFICIENT			-0.368			-0.239	-0.147		-0.039		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				789.5		935.7	1003.3		963.8		
	COEFFICIENT				-0.391		-0.039	0.124		0.028		
	ORIFICE							276		277		
277.5	PRESSURE							973.0		967.7		
	COEFFICIENT							0.051		0.038		
	ORIFICE						271	272		273		274
276.0	PRESSURE						827.6	926.3		970.2		951.9
	COEFFICIENT						-0.300	-0.062		0.044		-0.000
	ORIFICE	2918	2928									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						904.8			903.4		
	COEFFICIENT						-0.114			-0.117		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.107	0.111			0.040		0.046		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.0			0.033		0.0	0.0	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.071	0.050			0.049		0.038		

ACCELEROMETER RMS VALUES

1	2	3
8.8850	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEL	CART	TRANSONIC 16T
4	2	P436-03	TF-556	1/29/81	29:	2:	9:	49	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1558.3	1021.4	458.6	2.928	96.6	556.3	18800.	1036.1	522.2	0.50	1.160	1.967

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1119.2	1098.3	1081.9	1060.1	1003.0	935.8									
COEFF.	0.213	0.168	0.132	0.084	-0.040	-0.187									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1206.9	1108.9	1100.5	1073.5	1029.2	920.3									
COEFF.	0.404	0.191	0.172	0.114	0.017	-0.221									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							795.6	795.8	810.6	912.5	915.9	936.2			
COEFF.							-0.493	-0.492	-0.460	-0.238	-0.230	-0.186			
ORIFICE												*301*	*302*	*303*	
282.0 PRESSURE												899.6	913.8	930.7	
COEFF.												-0.266	-0.235	-0.198	
ORIFICE	220	221	222												
278.0 PRESSURE	1249.2	1107.5	1103.4												
COEFF.	0.497	0.188	0.179												
ORIFICE				223	224	225									
277.0 PRESSURE				1079.9	1039.1	932.3									
COEFF.				0.127	0.038	-0.194									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												911.8	915.2	920.9	
COEFF.												-0.239	-0.232	-0.219	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1257.4	1106.5	1112.1	1087.1	1056.3	949.1									
COEFF.	0.514	0.186	0.198	0.143	0.076	-0.158									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1275.8	1102.3	1102.6	1085.6	1064.4	966.6									
COEFF.	0.555	0.176	0.177	0.140	0.094	-0.120									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16I
4	2	P436-03	TF-556	1/29/81	29:	2:	9:	49	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	W	PC	OP	WA	TPR	SHX10+3
0.801	1558.3	1021.4	458.6	2.928	96.6	556.3	18800.	1036.1	522.2	0.50	1.160	1.967

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	924.1			992.0										1069.0
	COEFF.	-0.212			-0.064										0.104
290.0	ORIFICE	232	233				234								
	PRESSURE	875.7	974.0				1011.2								
	COEFF.	-0.318	-0.103				-0.022								
288.0	ORIFICE	253	254				255								
	PRESSURE	730.7	986.2				1017.0								
	COEFF.	-0.634	-0.077				-0.010								
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					1025.5	1022.7	1024.9							
	COEFF.					0.009	0.003	0.008							
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		983.0				1030.0	1021.2	1022.2	1019.3					
	COEFF.		-0.064				0.019	-0.001	0.002	-0.005					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						1030.5		1030.3	1030.5	1030.7	1035.2	1041.7		
	COEFF.						0.020		0.019	0.020	0.020	0.030	0.044		
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			997.3	1015.3	1032.5						1022.2	1022.7	1024.5	
	COEFF.			-0.053	-0.013	0.024						0.003	0.003	0.007	
268.0	ORIFICE	216	217				218								
	PRESSURE	898.4	947.0				997.7								
	COEFF.	-0.268	-0.162				-0.052								
260.0	ORIFICE	207			208										209
	PRESSURE	894.6			959.4										960.7
	COEFF.	-0.277			-0.135										-0.132

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	2	P43G-03	TF-556	1/29/81	29:	2:	9:	49	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1558.3	1021.4	458.6	2.928	96.6	556.3	18800.	1036.1	522.2	0.50	1.160	1.967

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			848.3			905.8	951.9		1005.3		
	COEFFICIENT			-0.378			-0.252	-0.152		-0.035		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			837.6			1013.5	1082.8		1032.2		
	COEFFICIENT			-0.401			-0.017	0.134		0.024		
	ORIFICE							276		277		
277.5	PRESSURE							1045.7		1038.0		
	COEFFICIENT							0.053		0.030		
	ORIFICE						271	272		273		274
276.0	PRESSURE						881.7	992.1		1042.0		1021.5
	COEFFICIENT						-0.305	-0.064		0.045		0.000

	ORIFICE	291B	292B
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	969.0	967.0
	COEFFICIENT	-0.114	-0.119

KULITE RMS VALUES

287.0	ORIFICE	410	411		412	413	
	VALUE	0.121	0.120		0.053	0.057	
278.0	ORIFICE	405	406		407	408	409
	VALUE	0.0	0.0		0.033	0.0	0.0
273.0	ORIFICE	401	402		403	404	
	VALUE	0.074	0.056		0.055	0.044	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
4	3	P436-03	TF-556	1/29/81	29: 2:10:54	0	288	02-27-81	2/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.798	1828.2	1201.9	535.6	3.363	105.0	564.7	14824.	1219.4	608.8	0.50	1.162	1.516

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1313.8	1291.8	1271.2	1245.5	1179.8	1104.7									
	COEFF.	0.209	0.168	0.129	0.081	-0.041	-0.181									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1418.4	1304.8	1294.1	1262.7	1210.8	1083.7									
	COEFF.	0.406	0.192	0.172	0.114	0.017	-0.221									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							947.0	942.6	961.9	1074.8	1079.7	1103.3			
	COEFF.							-0.476	-0.484	-0.448	-0.237	-0.228	-0.184			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												1062.4	1076.7	1098.2	
	COEFF.												-0.261	-0.234	-0.194	
	ORIFICE	220	221	222												
278.0	PRESSURE	1468.3	1304.2	1298.3												
	COEFF.	0.497	0.191	0.180												
	ORIFICE				223	224	225									
277.0	PRESSURE				1271.0	1221.8	1100.1									
	COEFF.				0.129	0.037	-0.190									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												1076.3	1078.9	1085.2	
	COEFF.												-0.234	-0.230	-0.218	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1478.9	1303.6	1309.6	1280.2	1243.1	1118.9									
	COEFF.	0.517	0.190	0.201	0.146	0.077	-0.155									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1500.2	1298.3	1297.3	1279.1	1251.8	1137.4									
	COEFF.	0.557	0.180	0.178	0.144	0.093	-0.120									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 1ST
4	3	P43G-03	TF-556	1/29/81	29:	2:	10:	54	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
6.798	1828.2	1201.9	535.6	3.363	105.0	564.7	14824.	1219.4	608.8	0.50	1.162	1.516

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1091.9			1172.1										1263.2
	COEFF.	-0.205			-0.056										0.115
290.0	ORIFICE	232	233					234							
	PRESSURE	1033.9	1147.2					1189.9							
	COEFF.	-0.314	-0.102					-0.022							
288.0	ORIFICE	253	254					255							
	PRESSURE	865.3	1162.5					1200.2							
	COEFF.	-0.628	-0.074					-0.003							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1208.3	1204.7	1206.9						
	COEFF.						0.012	0.005	0.009						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1161.0					1215.8	1202.5	1204.2	1203.3				
	COEFF.		-0.076					0.026	0.001	0.004	0.003				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1212.7		1212.7	1213.8	1214.6	1219.6	1227.4	
	COEFF.							0.020		0.020	0.022	0.024	0.033	0.048	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1170.2	1193.8	1216.8						1204.1	1204.0	1204.9	
	COEFF.			-0.059	-0.015	0.028						0.004	0.004	0.006	
268.0	ORIFICE	216	217					218							
	PRESSURE	1058.9	1116.6					1174.6							
	COEFF.	-0.267	-0.159					-0.051							
260.0	ORIFICE	207			208										209
	PRESSURE	1053.6			1130.3										1133.5
	COEFF.	-0.277			-0.134										-0.128

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	3	P43G-03	TF-556	1/29/81	29:	2:	10:	54	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.798	1828.2	1201.9	535.6	3.363	105.0	564.7	14824.	1219.4	608.8	0.50	1.162	1.516

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		Y/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1000.5			1076.8	1132.2		1185.7		
	COEFFICIENT			-0.376			-0.234	-0.130		-0.030		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				987.5		1199.8	1274.5		1215.9		
	COEFFICIENT				-0.400		-0.004	0.136		0.026		
	ORIFICE							276		277		
277.5	PRESSURE							1228.5		1224.1		
	COEFFICIENT							0.050		0.046		
	ORIFICE						271	272		273		274
276.0	PRESSURE						1041.1	1174.8		1220.2		1202.8
	COEFFICIENT						-0.300	-0.051		0.034		0.002

		2918	2928
	ORIFICE		
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1144.4			1143.2		
	COEFFICIENT						-0.107			-0.110		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.142	0.145			0.067		0.071		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.0			0.034		0.0	0.0	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.089	0.066			0.062		0.054		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	4	P436-03	TF-556	1/29/81	29:	2:	11:	33	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.797	1790.7	1178.4	523.8	3.269	108.1	567.8	15313.	1195.5	595.2	0.50	1.166	1.985

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1287.8	1265.3	1246.2	1220.9	1158.2	1085.4									
COEFF.	0.209	0.166	0.129	0.081	-0.039	-0.178									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1392.2	1280.6	1270.0	1237.6	1187.9	1062.6									
COEFF.	0.408	0.195	0.175	0.113	0.018	-0.221									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							930.7	925.2	944.0	1053.3	1058.2	1082.0			
COEFF.							-0.473	-0.483	-0.447	-0.239	-0.230	-0.184			
ORIFICE												*301*	*302*	*303*	
282.0 PRESSURE												1039.3	1055.0	1075.4	
COEFF.												-0.266	-0.236	-0.197	
ORIFICE	220	221	222												
278.0 PRESSURE	1440.5	1280.6	1274.2												
COEFF.	0.500	0.195	0.183												
ORIFICE				223	224	225									
277.0 PRESSURE				1247.6	1199.3	1081.4									
COEFF.				0.132	0.040	-0.185									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												1056.0	1058.4	1064.6	
COEFF.												-0.234	-0.229	-0.217	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1452.1	1279.9	1285.4	1256.8	1219.8	1098.8									
COEFF.	0.523	0.194	0.204	0.150	0.079	-0.152									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1474.5	1275.5	1274.1	1257.1	1229.4	1118.6									
COEFF.	0.565	0.185	0.183	0.150	0.097	-0.134									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	4	P436-03	TF-556	1/29/81	29:	2:	11:	33	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.797	1790.7	1178.4	523.8	3.269	108.1	567.8	15313.	1195.5	595.2	0.50	1.166	1.985

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1073.4			1154.3										1245.7
	COEFF.	-0.200			-0.046										0.129
290.0	ORIFICE	232	233					234							
	PRESSURE	1014.1	1125.2					1168.0							
	COEFF.	-0.314	-0.102					-0.020							
288.0	ORIFICE	253	254					255							
	PRESSURE	906.8	1139.8					1177.7							
	COEFF.	-0.518	-0.074					-0.001							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1184.7	1181.4	1182.6						
	COEFF.						0.012	0.006	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1139.1					1193.2	1178.8	1181.2	1181.1				
	COEFF.		-0.075					0.028	0.001	0.005	0.005				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1182.3		1191.0	1191.2	1191.4	1196.4	1204.4	
	COEFF.							0.007		0.024	0.024	0.025	0.034	0.050	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1146.5	1170.6	1193.4						1182.1	1181.6	1182.3	
	COEFF.			-0.061	-0.015	0.029						0.007	0.006	0.008	
268.0	ORIFICE	216	217					218							
	PRESSURE	1038.2	1095.2					1153.0							
	COEFF.	-0.268	-0.159					-0.049							
260.0	ORIFICE	207			208										209
	PRESSURE	1032.5			1108.5										1114.9
	COEFF.	-0.278			-0.133										-0.121

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	4	P43G-03	TF-556	1/29/81	29:	2:	11:	33	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.797	1790.7	1178.4	523.0	3.269	108.1	567.8	15313.	1195.5	595.2	0.50	1.166	1.985

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			980.8			1057.3	1111.0		1164.0		
	COEFFICIENT			-0.377			-0.231	-0.129		-0.027		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				968.1		1178.8	1251.7		1194.5		
	COEFFICIENT				-0.401		0.001	0.140		0.031		
	ORIFICE							276		277		
277.5	PRESSURE							1203.5		1203.1		
	COEFFICIENT							0.048		0.047		
	ORIFICE						271	272		273		274
276.0	PRESSURE						1022.3	1153.6		1195.9		1181.3
	COEFFICIENT						-0.298	-0.047		0.033		0.005

	ORIFICE	291R	292R
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	1123.3	1122.7
	COEFFICIENT	-0.105	-0.106

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413	
	VALUE	0.144	0.144	0.071	0.074	
278.0	ORIFICE	405	406	407	408	409
	VALUE	0.0	0.0	0.034	0.0	0.0
273.0	ORIFICE	401	402	403	404	
	VALUE	0.091	0.069	0.064	0.055	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	5	P43G-03	TF-556	1/29/81	29:	2:	11:	54	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.798	1813.5	1192.4	531.1	3.300	109.8	569.5	15020.	1209.8	603.7	0.50	1.162	1.689

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1302.3	1280.8	1261.5	1235.7	1171.4	1098.0									
	COEFF.	0.207	0.166	0.130	0.081	-0.040	-0.178									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1408.1	1296.0	1285.2	1252.3	1201.8	1075.8									
	COEFF.	0.406	0.195	0.175	0.113	0.018	-0.220									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							942.2	935.8	954.5	1066.5	1071.2	1095.0			
	COEFF.							-0.471	-0.483	-0.448	-0.237	-0.228	-0.183			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													1052.5	1068.2	1089.3
	COEFF.													-0.263	-0.234	-0.194
	ORIFICE	220	221	222												
278.0	PRESSURE	1457.8	1295.4	1289.1												
	COEFF.	0.500	0.194	0.182												
	ORIFICE				223	224	225									
277.0	PRESSURE				1262.3	1213.2	1093.9									
	COEFF.				0.132	0.039	-0.186									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													1068.8	1071.5	1077.8
	COEFF.													-0.233	-0.228	-0.216
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1468.6	1295.0	1300.5	1271.6	1234.0	1111.8									
	COEFF.	0.520	0.193	0.204	0.149	0.078	-0.152									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1490.8	1290.4	1289.3	1271.4	1243.5	1131.6									
	COEFF.	0.562	0.184	0.182	0.149	0.096	-0.114									

DATE, 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION-WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	5	P436-03	TF-556	1/29/81	29	2	11	54	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.798	1813.5	1192.4	531.1	3.300	109.8	569.5	15020.	1209.8	603.7	0.50	1.162	1.689

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1086.0			1167.1										1258.4
	COEFF.	-0.201			-0.048										0.124
290.0	ORIFICE	232	233					234							
	PRESSURE	1026.7	1138.9					1181.4							
	COEFF.	-0.312	-0.101					-0.021							
288.0	ORIFICE	253	254					255							
	PRESSURE	924.8	1153.3					1191.6							
	COEFF.	-0.504	-0.074					-0.002							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1199.0	1195.5	1196.9						
	COEFF.						0.012	0.006	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1151.9					1207.4	1192.9	1195.3	1194.3				
	COEFF.		-0.076					0.028	0.001	0.005	0.004				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1204.2		1205.1	1205.2	1205.9	1211.3	1218.5	
	COEFF.							0.022		0.024	0.024	0.025	0.036	0.049	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1161.1	1184.8	1208.9						1196.4	1196.1	1197.5	
	COEFF.			-0.059	-0.014	0.031						0.007	0.007	0.010	
268.0	ORIFICE	216	217					218							
	PRESSURE	1050.9	1108.5					1166.0							
	COEFF.	-0.266	-0.158					-0.050							
260.0	ORIFICE	207			208										209
	PRESSURE	1045.6			1122.0										1127.2
	COEFF.	-0.276			-0.133										-0.123

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
4	5	P43G-03	TF-556	1/29/81	29:	2:	11:	54	0	288	02-27-81	2/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.798	1813.5	1192.4	531.1	3.300	109.8	569.5	15020.	1209.8	603.7	0.50	1.162	1.689

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			993.0			1070.4	1124.9		1177.8		
	COEFFICIENT			-0.376			-0.230	-0.127		-0.028		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				980.3		1192.6	1265.7		1208.3		
	COEFFICIENT				-0.399		0.000	0.138		0.030		
	ORIFICE							276		277		
277.5	PRESSURE							1217.9		1217.1		
	COEFFICIENT							0.048		0.046		
	ORIFICE						271	272		273		274
276.0	PRESSURE						1035.1	1167.6		1209.7		1195.0
	COEFFICIENT						-0.296	-0.047		0.032		0.005

	ORIFICE	291B	292B
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE					261			262			
276.0	PRESSURE					1136.9			1136.3			
	COEFFICIENT					-0.105			-0.108			

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.141	0.145			0.068			0.070	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.0			0.034			0.0	0.0
273.0	ORIFICE			401	402			403			404	
	VALUE			0.091	0.067			0.061			0.053	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	6	P436-03	TF-556	1/29/81	29	2	13	51	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.874	1770.9	1076.4	575.9	3.308	116.8	576.5	17533.	1093.5	677.4	0.50	1.195	1.565

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1205.8	1183.3	1162.5	1135.6	1063.3	981.1									
	COEFF.	0.225	0.186	0.150	0.103	-0.023	-0.165									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1329.7	1199.1	1188.4	1154.5	1102.5	958.8									
	COEFF.	0.440	0.213	0.195	0.136	0.045	-0.204									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							797.5	800.9	814.2	904.3	909.2	928.9			
	COEFF.							-0.484	-0.478	-0.455	-0.299	-0.294	-0.256			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											897.2	909.0	923.5		
	COEFF.											-0.311	-0.291	-0.265		
	ORIFICE	220	221	222												
278.0	PRESSURE	1382.8	1197.1	1191.6												
	COEFF.	0.532	0.210	0.200												
	ORIFICE				223	224	225									
277.0	PRESSURE				1165.1	1115.5	987.6									
	COEFF.				0.154	0.068	-0.154									
	ORIFICE											*291*	*292*	*293*		
275.0	PRESSURE											932.9	936.0	943.1		
	COEFF.											-0.249	-0.244	-0.232		
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1396.2	1195.1	1202.9	1174.3	1137.0	1008.5									
	COEFF.	0.555	0.206	0.220	0.170	0.105	-0.118									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1418.3	1187.7	1188.5	1171.8	1147.0	1035.9									
	COEFF.	0.594	0.193	0.195	0.166	0.123	-0.070									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	6	P436-03	TF-556	1/29/81	29:	2:	13:	51	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.874	1770.9	1076.4	575.9	3.308	116.8	576.5	17533.	1093.5	677.4	0.50	1.195	1.562

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	944.9			1055.6										1145.3
	COEFF.	-0.228			-0.036										0.120
290.0	ORIFICE	232	233					234							
	PRESSURE	853.8	995.7					1066.8							
	COEFF.	-0.387	-0.140					-0.017							
288.0	ORIFICE	253	254					255							
	PRESSURE	948.1	1006.9					1074.0							
	COEFF.	-0.223	-0.121					-0.004							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1071.8	1077.9	1084.5						
	COEFF.						-0.008	0.003	0.014						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		976.5					1098.7	1086.8	1087.9	1087.9				
	COEFF.		-0.173					0.039	0.018	0.020	0.020				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1096.1		1097.6	1100.0	1105.2	1111.3	1116.5	
	COEFF.							0.034		0.037	0.041	0.050	0.061	0.070	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1034.1	1069.5	1098.0						1088.3	1087.4	1088.8	
	COEFF.			-0.073	-0.012	0.038						0.021	0.019	0.021	
268.0	ORIFICE	216	217					218							
	PRESSURE	938.3	981.5					1039.0							
	COEFF.	-0.240	-0.165					-0.065							
260.0	ORIFICE	207			208										209
	PRESSURE	891.7			988.7										1000.3
	COEFF.	-0.321			-0.152										-0.132

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	6	P436-03	TF-556	1/29/81	29:	2:	13:	51	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.874	1770.9	1076.4	575.9	3.308	116.8	576.5	17533.	1093.5	677.4	0.50	1.195	1.565

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			809.7			859.4	954.4		1068.4		
	COEFFICIENT			-0.463			-0.377	-0.212		-0.014		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				784.5		1127.3	1146.8		1086.2		
	COEFFICIENT				-0.507		0.088	0.122		0.017		
	ORIFICE							276		277		
277.5	PRESSURE							1095.6		1095.5		
	COEFFICIENT							0.033		0.033		
	ORIFICE						271	272		273		274
276.0	PRESSURE						902.7	1034.5		1089.1		1089.0
	COEFFICIENT						-0.302	-0.073		0.022		0.022
	ORIFICE	2918	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1013.3			1012.9		
	COEFFICIENT						-0.109			-0.110		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.194	0.229			0.106		0.093		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.0			0.032		0.0	0.0	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.142	0.081			0.069		0.060		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	7	P43G-03	TF-556	1/29/81	29:	2:	14:	35	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1785.8	1055.7	598.8	3.363	118.4	578.1	18004.	1073.0	712.8	0.50	1.188	1.715

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1194.5	1171.3	1148.8	1121.9	1045.2	957.7									
	COEFF.	0.232	0.193	0.156	0.111	-0.017	-0.164									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1323.2	1185.4	1174.5	1140.0	1088.1	942.2									
	COEFF.	0.447	0.217	0.198	0.141	0.054	-0.190									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							752.3	751.8	769.5	862.8	867.9	888.0			
	COEFF.							-0.507	-0.508	-0.478	-0.322	-0.314	-0.280			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												854.3	864.0	879.0	
	COEFF.												-0.336	-0.320	-0.295	
	ORIFICE	220	221	222												
278.0	PRESSURE	1378.6	1181.6	1176.8												
	COEFF.	0.539	0.210	0.202												
	ORIFICE				223	224	225									
277.0	PRESSURE				1150.5	1101.0	969.3									
	COEFF.				0.158	0.076	-0.144									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												899.1	903.3	911.8	
	COEFF.												-0.262	-0.255	-0.240	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1391.4	1179.1	1188.1	1159.0	1122.5	993.3									
	COEFF.	0.561	0.206	0.221	0.173	0.111	-0.104									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1414.2	1171.1	1172.7	1156.1	1132.6	1023.2									
	COEFF.	0.599	0.193	0.195	0.168	0.128	-0.054									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	7	P436-03	TF-556	1/29/81	29	2	14	35	0	280	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1785.8	1055.7	598.8	3.363	118.4	578.1	18004.	1073.0	712.8	0.50	1.188	1.715

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	863.6			1036.1										1122.0
	COEFF.	-0.321			-0.033										0.111
290.0	ORIFICE	232	233					234							
	PRESSURE	818.4	959.8					1044.2							
	COEFF.	-0.396	-0.160					-0.019							
288.0	ORIFICE	253	254					255							
	PRESSURE	937.6	967.6					1052.5							
	COEFF.	-0.197	-0.147					-0.005							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1049.4	1057.2	1065.9						
	COEFF.						-0.011	0.003	0.017						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		934.4					1084.1	1069.5	1070.0	1070.6				
	COEFF.		-0.203					0.047	0.023	0.024	0.025				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1077.5		1079.3	1080.8	1087.9	1094.0	1098.1	
	COEFF.							0.036		0.039	0.042	0.054	0.064	0.071	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1012.3	1047.1	1076.0						1066.1	1065.2	1065.9	
	COEFF.			-0.072	-0.014	0.034						0.017	0.016	0.017	
268.0	ORIFICE	216	217					218							
	PRESSURE	894.5	951.4					1011.7							
	COEFF.	-0.269	-0.174					-0.073							
260.0	ORIFICE	207			208										209
	PRESSURE	858.7			958.9										977.2
	COEFF.	-0.329			-0.162										-0.131

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	7	P436-03	TF-556	1/29/81	29:	2:	14:	35	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1785.8	1055.7	598.8	3.363	118.4	578.1	18004.	1073.0	712.8	0.50	1.188	1.715

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 800ST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			767.5			803.8	911.2		1044.9		
	COEFFICIENT			-0.481			-0.421	-0.241		-0.018		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				742.9		1110.8	1117.7		1063.1		
	COEFFICIENT				-0.522		0.092	0.103		0.016		
	ORIFICE							276		277		
277.5	PRESSURE							1074.6		1071.6		
	COEFFICIENT							0.032		0.027		
	ORIFICE						271	272		273		274
276.0	PRESSURE						863.3	1003.3		1072.0		1067.0
	COEFFICIENT						-0.321	-0.088		0.027		0.019

	ORIFICE	291B	292B
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	989.0	988.3
	COEFFICIENT	-0.111	-0.112

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.221	0.246	0.112	0.109		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.0	0.0	0.031	0.0	0.0	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.156	0.084	0.070	0.060		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	8	P436-03	TF-556	1/29/81	29:	2:	14:	53	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.896	1796.2	1067.2	599.1	3.373	118.7	578.4	17741.	1084.6	711.6	0.50	1.187	1.792

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1204.6	1180.9	1159.5	1132.2	1056.6	968.2									
	COEFF.	0.229	0.190	0.154	0.109	-0.018	-0.165									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1333.7	1196.4	1185.5	1150.8	1098.3	951.7									
	COEFF.	0.445	0.216	0.198	0.140	0.052	-0.193									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							768.5	769.6	786.7	877.2	882.5	902.6			
	COEFF.							-0.499	-0.497	-0.468	-0.317	-0.308	-0.275			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													868.0	879.1	893.7
	COEFF.													-0.332	-0.314	-0.290
	ORIFICE	220	221	222												
278.0	PRESSURE	1388.8	1192.9	1187.9												
	COEFF.	0.537	0.210	0.201												
	ORIFICE				223	224	225									
277.0	PRESSURE				1161.3	1111.2	979.6									
	COEFF.				0.157	0.074	-0.146									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													912.6	916.4	924.7
	COEFF.													-0.258	-0.252	-0.238
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1401.3	1189.9	1198.8	1169.9	1132.9	1002.8									
	COEFF.	0.558	0.205	0.220	0.171	0.110	-0.107									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1424.2	1182.2	1183.8	1167.1	1143.0	1031.9									
	COEFF.	0.596	0.192	0.195	0.167	0.127	-0.059									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	0	P43G-03	TF-556	1/29/81	29:	2:	14:	53	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10-3
0.896	1796.2	1067.2	599.1	3.373	118.7	578.4	17741.	1084.6	711.6	0.50	1.187	1.792

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
300.0	ORIFICE	242			243										244
	PRESSURE	898.4			1047.2										1133.7
	COEFF.	-0.282			-0.033										0.111
290.0	ORIFICE	232	233					234							
	PRESSURE	827.2	974.3					1055.8							
	COEFF.	-0.401	-0.155					-0.019							
288.0	ORIFICE	253	254					255							
	PRESSURE	934.2	982.6					1064.5							
	COEFF.	-0.222	-0.141					-0.004							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1061.2	1069.0	1077.7						
	COEFF.						-0.010	0.003	0.018						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		950.3					1094.9	1080.7	1081.3	1082.0				
	COEFF.		-0.195					0.046	0.023	0.024	0.025				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1088.9		1091.5	1092.6	1100.4	1106.7	1110.4	
	COEFF.							0.036		0.041	0.042	0.055	0.066	0.072	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1024.7	1060.1	1088.2						1078.3	1076.8	1078.1	
	COEFF.			-0.071	-0.012	0.035						0.019	0.016	0.018	
268.0	ORIFICE	216	217					218							
	PRESSURE	913.6	964.6					1024.4							
	COEFF.	-0.256	-0.171					-0.071							
260.0	ORIFICE	207			208										209
	PRESSURE	871.5			972.5										989.1
	COEFF.	-0.327			-0.158										-0.130

DATE: 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	8	P436-03	TF-556	1/29/81	29:	2:	14:	53	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.896	1796.2	1067.2	599.1	3.373	118.7	578.4	17741.	1084.6	711.6	0.50	1.187	1.792

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV											
	ORIFICE		282			283	284		285		
282.0	PRESSURE		783.8			822.6	929.1		1057.4		
	COEFFICIENT		-0.473			-0.408	-0.231		-0.010		
	ORIFICE		278			279	280		281		
280.0	PRESSURE		759.2			1122.9	1131.6		1075.7		
	COEFFICIENT		-0.514			0.093	0.108		0.014		
	ORIFICE						276		277		
277.5	PRESSURE						1086.0		1084.5		
	COEFFICIENT						0.031		0.029		
	ORIFICE					271	272		273		274
276.0	PRESSURE					878.6	1017.9		1082.6		1079.0
	COEFFICIENT					-0.315	-0.082		0.020		0.020

	ORIFICE	2918	2928
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	1001.6	1001.1
	COEFFICIENT	-0.109	-0.110

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.209	0.241	0.109	0.101		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.0	0.0	0.032	0.0	0.0	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.153	0.082	0.068	0.060		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	9	P436-03	TF-556	1/29/81	29:	2:	16:	58	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.108	1613.1	748.2	642.8	3.207	118.5	578.2	26075.	763.4	849.7	0.50	1.186	2.953

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	947.6	896.0	771.3	849.8	824.8	735.2									
	COEFF.	0.310	0.230	0.036	0.158	0.119	-0.020									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1097.3	917.0	906.5	871.7	859.0	722.3									
	COEFF.	0.543	0.263	0.246	0.192	0.172	-0.040									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							463.5	431.1	431.2	471.4	468.6	498.7			
	COEFF.							-0.443	-0.493	-0.493	-0.431	-0.435	-0.388			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													463.4	471.6	486.1
	COEFF.													-0.443	-0.430	-0.408
	ORIFICE	220	221	222												
278.0	PRESSURE	1148.6	904.1	905.7												
	COEFF.	0.623	0.243	0.245												
	ORIFICE				223	224	225									
277.0	PRESSURE				884.8	833.2	764.2									
	COEFF.				0.212	0.132	0.025									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													519.8	529.2	545.6
	COEFF.													-0.355	-0.341	-0.315
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1156.7	895.6	913.7	889.3	858.4	798.7									
	COEFF.	0.636	0.229	0.257	0.220	0.171	0.079									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1176.1	878.6	888.8	880.8	872.6	825.9									
	COEFF.	0.666	0.203	0.219	0.206	0.194	0.121									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	9	P436-03	TF-556	1/29/81	29:	2:	16:	58	0	286	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.108	1613.1	748.2	642.8	3.207	118.5	578.2	26075.	763.4	849.7	0.50	1.186	2.953

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	342.9			633.5										791.2
	COEFF.	-0.630			-0.178										0.067
290.0	ORIFICE	232	233					234							
	PRESSURE	412.3	521.2					656.1							
	COEFF.	-0.522	-0.353					-0.143							
288.0	ORIFICE	253	254					255							
	PRESSURE	848.7	543.7					662.9							
	COEFF.	0.156	-0.318					-0.133							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						648.2	662.1	674.0						
	COEFF.						-0.156	-0.134	-0.115						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		569.9					695.8	687.3	693.8	704.7				
	COEFF.		-0.277					-0.081	-0.095	-0.085	-0.068				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							709.6		716.4	718.9	738.1	754.7	765.6	
	COEFF.							-0.060		-0.049	-0.046	-0.016	0.010	0.027	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			685.9	704.5	720.0						697.6	695.7	700.0	
	COEFF.			-0.097	-0.068	-0.044						-0.079	-0.082	-0.075	
268.0	ORIFICE	216	217					218							
	PRESSURE	451.0	610.4					663.2							
	COEFF.	-0.462	-0.214					-0.132							
260.0	ORIFICE	207			208										209
	PRESSURE	528.7			641.0										644.6
	COEFF.	-0.342			-0.167										-0.161

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	9	P43G-03	TF-556	1/29/81	29: 2:16:58	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.108	1613.1	748.2	642.8	3.207	118.5	578.2	26075.	763.4	849.7	0.50	1.186	2.954

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			417.2			422.7	459.9		619.8		
	COEFFICIENT			-0.515			-0.506	-0.448		-0.200		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				409.2		627.9	756.2		666.3		
	COEFFICIENT				-0.527		-0.187	0.013		-0.127		
	ORIFICE							276		277		
277.5	PRESSURE							733.9		686.7		
	COEFFICIENT							-0.022		-0.096		
	ORIFICE						271	272		273		274
276.0	PRESSURE						468.0	594.4		736.5		702.5
	COEFFICIENT						-0.436	-0.239		-0.018		-0.071
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	694.4	694.8
	COEFFICIENT	-0.084	-0.083

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.064	0.092	0.104	0.110		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.0	0.0	0.031	0.0	0.0	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.084	0.049	0.064	0.047		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	10	P436-03	TF-556	1/29/81	29: 2:17:35	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.078	1572.5	756.7	615.6	3.119	117.8	577.5	25818.	771.6	800.9	0.50	1.170	2.495

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	939.5	900.7	881.8	870.0	814.8	720.9									
	COEFF.	0.297	0.234	0.203	0.184	0.094	-0.058									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1076.5	913.0	905.1	875.5	851.5	710.0									
	COEFF.	0.520	0.254	0.241	0.193	0.154	-0.076									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							463.3	430.4	434.8	481.7	479.2	512.1			
	COEFF.							-0.477	-0.530	-0.523	-0.447	-0.451	-0.397			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											474.4	480.9	496.4		
	COEFF.											-0.459	-0.448	-0.423		
	ORIFICE	220	221	222												
278.0	PRESSURE	1127.7	896.0	898.3												
	COEFF.	0.603	0.226	0.230												
	ORIFICE				223	224	225									
277.0	PRESSURE				882.2	844.7	751.0									
	COEFF.				0.204	0.143	-0.009									
	ORIFICE											*291*	*292*	*293*		
275.0	PRESSURE											531.7	541.5	557.7		
	COEFF.											-0.365	-0.350	-0.323		
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1139.1	887.8	904.9	883.1	857.4	787.7									
	COEFF.	0.621	0.213	0.241	0.205	0.164	0.050									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1160.7	874.5	884.3	874.1	868.8	814.6									
	COEFF.	0.656	0.191	0.207	0.191	0.182	0.094									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	10	P43G-03	TF-556	1/29/81	29:	2:	17:	35	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.078	1572.5	756.7	615.6	3.119	117.8	577.5	25818.	771.6	800.9	0.50	1.170	2.495

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	341.1			661.7										800.4
	COEFF.	-0.675			-0.154										0.071
290.0	ORIFICE	232	233					234							
	PRESSURE	426.3	550.4					688.2							
	COEFF.	-0.537	-0.335					-0.111							
288.0	ORIFICE	253	254					255							
	PRESSURE	824.3	561.0					690.6							
	COEFF.	0.110	-0.318					-0.107							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						675.1	693.7	705.8						
	COEFF.						-0.133	-0.102	-0.083						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		571.8					729.1	717.7	722.8	729.0				
	COEFF.		-0.300					-0.045	-0.063	-0.055	-0.045				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							731.2		736.6	739.7	760.2	775.3	781.3	
	COEFF.							-0.041		-0.033	-0.028	0.006	0.030	0.040	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			696.6	714.9	730.5						722.4	719.5	725.0	
	COEFF.			-0.098	-0.068	-0.042						-0.056	-0.060	-0.051	
268.0	ORIFICE	216	217					218							
	PRESSURE	459.1	623.2					671.0							
	COEFF.	-0.483	-0.217					-0.139							
260.0	ORIFICE	207			208										209
	PRESSURE	542.7			653.8										657.2
	COEFF.	-0.348			-0.167										-0.162

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	10	P43G-03	TF-556	1/29/81	29:	2:	17:	35	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.078	1572.5	756.7	615.6	3.119	117.8	577.5	25818.	771.6	800.9	0.50	1.170	2.495

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
2V												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			424.9			441.0	468.9		655.1		
	COEFFICIENT			-0.539			-0.513	-0.468		-0.165		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				414.0		648.8	771.6		687.1		
	COEFFICIENT				-0.557		-0.175	0.024		-0.113		
	ORIFICE							276		277		
277.5	PRESSURE							747.1		701.7		
	COEFFICIENT							-0.016		-0.089		
	ORIFICE						271	272		273		274
276.0	PRESSURE						478.1	605.0		753.4		731.6
	COEFFICIENT						-0.453	-0.246		-0.065		-0.041
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						696.6			696.1		
	COEFFICIENT						-0.098			-0.098		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.057	0.127			0.110			0.117	
278.0	ORIFICE			405	406			407		408		409
	VALUE			0.0	0.0			0.031		0.024		0.0
273.0	ORIFICE			401	402			403		404		
	VALUE			0.086	0.051			0.062		0.046		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	11	P436-03	TF-556	1/29/81	29:	2:	17:	53	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.107	1603.4	744.4	638.6	3.191	118.1	577.8	26190.	759.5	843.9	0.50	1.184	2.697

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	948.1	895.1	874.0	847.9	823.0	731.2									
	COEFF.	0.319	0.236	0.203	0.162	0.123	-0.021									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1095.0	916.2	904.8	869.9	857.6	721.4									
	COEFF.	0.549	0.269	0.251	0.197	0.177	-0.036									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							459.6	428.1	429.8	469.4	464.9	493.7			
	COEFF.							-0.446	-0.495	-0.492	-0.431	-0.438	-0.392			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											459.9	466.2	481.5		
	COEFF.											-0.445	-0.436	-0.412		
	ORIFICE	220	221	222												
278.0	PRESSURE	1144.2	899.7	903.0												
	COEFF.	0.626	0.243	0.248												
	ORIFICE				223	224	225									
277.0	PRESSURE				881.8	828.5	758.8									
	COEFF.				0.215	0.132	0.023									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													511.5	520.7	537.1
	COEFF.													-0.365	-0.350	-0.325
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1149.8	888.4	908.6	885.7	853.9	796.1									
	COEFF.	0.635	0.226	0.257	0.221	0.172	0.081									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1169.7	870.1	881.5	875.2	868.9	824.1									
	COEFF.	0.666	0.197	0.215	0.205	0.195	0.125									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	11	P43G-03	TF-556	1/29/81	29:	2:	17:	53	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.107	1603.4	744.4	638.6	3.191	118.1	577.8	26190.	759.5	843.9	0.50	1.184	2.697

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
300.0	ORIFICE	242			243										244
	PRESSURE	337.3			607.8										773.1
	COEFF.	-0.637			-0.214										0.045
290.0	ORIFICE	232	233					234							
	PRESSURE	406.4	507.9					638.8							
	COEFF.	-0.529	-0.370					-0.165							
288.0	ORIFICE	253	254					255							
	PRESSURE	610.1	535.7					647.5							
	COEFF.	0.103	-0.327					-0.152							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						636.7	650.8	663.0						
	COEFF.						-0.169	-0.146	-0.127						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		565.0					677.5	676.9	682.1	689.6				
	COEFF.		-0.281					-0.105	-0.106	-0.098	-0.086				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							699.4		706.9	709.3	727.8	745.0	755.2	
	COEFF.							-0.070		-0.059	-0.055	-0.026	0.001	0.017	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			677.7	695.9	713.1						684.7	681.0	684.4	
	COEFF.			-0.104	-0.076	-0.049						-0.093	-0.099	-0.094	
268.0	ORIFICE	216	217					218							
	PRESSURE	443.5	601.0					658.2							
	COEFF.	-0.471	-0.225					-0.135							
260.0	ORIFICE	207			208										209
	PRESSURE	520.1			633.1										630.4
	COEFF.	-0.351			-0.174										-0.178

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	11	P436-03	TF-556	1/29/81	29	2	17	53	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.107	1603.4	744.4	638.6	3.191	118.1	577.8	26190.	759.5	843.9	0.50	1.184	2.697

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			412.6			415.8	450.3		602.1		
	COEFFICIENT			-0.519			-0.515	-0.460		-0.223		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				405.4		612.1	746.6		653.7		
	COEFFICIENT				-0.531		-0.207	0.003		-0.142		
	ORIFICE							276		277		
277.5	PRESSURE							733.4		675.1		
	COEFFICIENT							-0.017		-0.108		
	ORIFICE						271	272		273		274
276.0	PRESSURE						457.3	583.1		736.9		684.4
	COEFFICIENT						-0.450	-0.253		-0.016		-0.094
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						687.6			687.4		
	COEFFICIENT						-0.089			-0.089		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.060	0.072			0.089		0.101		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.0			0.031		0.024	0.0	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.077	0.044			0.059		0.043		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	12	P436-03	TF-556	1/29/81	29	2	20	9	0	280	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.209	1524.4	621.2	635.7	3.143	105.4	565.1	30220.	635.2	889.2	0.50	1.225	2.978

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	855.0	785.2	644.1	741.7	707.2	659.8									
	COEFF.	0.368	0.258	0.036	0.190	0.135	0.061									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	993.3	793.4	798.7	770.5	730.8	637.1									
	COEFF.	0.585	0.271	0.279	0.235	0.172	0.025									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							403.1	378.4	363.4	396.2	386.1	400.8			
	COEFF.							-0.343	-0.382	-0.405	-0.354	-0.370	-0.347			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											377.9	385.4	399.5		
	COEFF.											-0.383	-0.371	-0.349		
	ORIFICE	220	221	222												
278.0	PRESSURE	1028.3	749.0	787.5												
	COEFF.	0.640	0.201	0.262												
	ORIFICE				223	224	225									
277.0	PRESSURE				771.3	736.0	688.5									
	COEFF.				0.236	0.181	0.106									
	ORIFICE											*291*	*292*	*293*		
275.0	PRESSURE											408.3	413.6	424.3		
	COEFF.											-0.335	-0.327	-0.310		
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1035.7	752.4	770.5	758.3	757.8	724.5									
	COEFF.	0.652	0.206	0.235	0.216	0.215	0.162									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1055.3	756.6	741.7	751.6	752.4	721.4									
	COEFF.	0.683	0.213	0.190	0.205	0.206	0.158									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	12	P43G-03	TF-556	1/29/81	29:	2:	20:	9	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.209	1524.4	621.2	635.7	3.143	105.4	565.1	30220.	635.2	889.2	0.50	1.225	2.978

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZW	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	299.3			423.8										592.0
	COEFF.	-0.506			-0.310										-0.046
290.0	ORIFICE	232	233					234							
	PRESSURE	334.7	363.7					497.1							
	COEFF.	-0.451	-0.405					-0.195							
288.0	ORIFICE	253	254					255							
	PRESSURE	694.4	436.2					529.5							
	COEFF.	0.115	-0.291					-0.144							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						539.3	533.4	532.4						
	COEFF.						-0.129	-0.138	-0.140						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		424.9					545.8	535.7	538.9	545.3				
	COEFF.		-0.309					-0.119	-0.134	-0.129	-0.119				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							577.5		583.6	584.4	577.8	588.8	595.4	
	COEFF.							-0.069		-0.059	-0.058	-0.068	-0.051	-0.041	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			523.2	541.9	574.3						556.7	546.3	541.8	
	COEFF.			-0.154	-0.125	-0.074						-0.101	-0.118	-0.125	
268.0	ORIFICE	216	217					218							
	PRESSURE	330.4	491.1					512.6							
	COEFF.	-0.457	-0.205					-0.171							
260.0	ORIFICE	207			208										209
	PRESSURE	393.0			524.1										507.0
	COEFF.	-0.359			-0.153										-0.180

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	12	P436-03	TF-556	1/29/81	29:	2:	20:	9	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.209	1524.4	621.2	635.7	3.143	105.4	565.1	30220.	635.2	889.2	0.50	1.225	2.976

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			333.9			361.9	420.3		483.0		
	COEFFICIENT			-0.452			-0.408	-0.316		-0.217		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				327.3		408.9	591.5		564.2		
	COEFFICIENT				-0.462		-0.334	-0.047		-0.090		
	ORIFICE							276		277		
277.5	PRESSURE							610.6		563.8		
	COEFFICIENT							-0.017		-0.090		
	ORIFICE						271	272		273		274
276.0	PRESSURE						343.1	450.2		619.0		541.7
	COEFFICIENT						-0.437	-0.269		-0.004		-0.125

		291R	292R
	ORIFICE		
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						581.2			580.6		
	COEFFICIENT						-0.063			-0.064		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.030	0.083		0.0		0.095		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.0		0.031		0.026	0.0	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.046	0.029		0.049		0.036		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROG DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	13	P43G-03	TF-556	1/29/81	29:	2:	22:	9	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1510.8	583.3	637.9	3.090	108.6	568.3	31590.	597.0	913.8	0.50	1.238	3.471

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
300.0	ORIFICE	236	237	238	239	240	241									
	PRESSURE	821.6	742.9	736.1	700.2	680.1	637.4									
	COEFF.	0.374	0.250	0.240	0.183	0.152	0.085									
290.0	ORIFICE	226	227	228	229	230	231									
	PRESSURE	957.0	724.6	761.0	734.6	694.3	630.7									
	COEFF.	0.586	0.221	0.279	0.237	0.174	0.074									
287.0	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
	PRESSURE							386.3	362.3	344.7	358.6	347.5	360.5			
	COEFF.							-0.309	-0.346	-0.374	-0.352	-0.370	-0.349			
282.0	ORIFICE												*301*	*302*	*303*	
	PRESSURE												339.4	343.3	361.1	
	COEFF.												-0.382	-0.376	-0.348	
278.0	ORIFICE	220	221	222												
	PRESSURE	993.1	702.5	720.1												
	COEFF.	0.642	0.187	0.215												
277.0	ORIFICE				223	224	225									
	PRESSURE				714.5	712.9	685.7									
	COEFF.				0.206	0.203	0.161									
275.0	ORIFICE												*291*	*292*	*293*	
	PRESSURE												361.1	364.6	372.4	
	COEFF.												-0.348	-0.343	-0.331	
268.0	ORIFICE	210	211	212	213	214	215									
	PRESSURE	1005.0	724.1	743.1	712.4	716.8	685.8									
	COEFF.	0.661	0.221	0.250	0.202	0.209	0.161									
260.0	ORIFICE	201	202	203	204	205	206									
	PRESSURE	1021.6	708.7	709.3	701.0	703.2	687.4									
	COEFF.	0.687	0.197	0.197	0.184	0.188	0.163									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	13	P436-03	TF-556	1/29/81	29: 2:22: 9	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1510.8	583.3	637.2	3.093	108.6	568.3	31590.	597.0	913.8	0.50	1.238	3.471

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	283.4			356.0										556.5
	COEFF.	-0.470			-0.356										-0.042
290.0	ORIFICE	232	233					234							
	PRESSURE	301.8	332.9					462.9							
	COEFF.	-0.441	-0.393					-0.189							
288.0	ORIFICE	253	254					255							
	PRESSURE	576.0	406.4					486.4							
	COEFF.	-0.011	-0.277					-0.152							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						495.9	490.3	489.5						
	COEFF.						-0.137	-0.146	-0.147						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		390.7					502.3	491.7	495.5	500.2				
	COEFF.		-0.302					-0.127	-0.144	-0.138	-0.130				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							530.6		535.9	536.6	534.2	548.3	557.2	
	COEFF.							-0.083		-0.074	-0.073	-0.077	-0.055	-0.041	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			467.6	490.5	529.2						523.7	516.1	511.4	
	COEFF.			-0.181	-0.145	-0.085						-0.093	-0.105	-0.113	
268.0	ORIFICE	216	217					218							
	PRESSURE	326.6	442.0					471.3							
	COEFF.	-0.402	-0.221					-0.176							
260.0	ORIFICE	207			208										209
	PRESSURE	371.2			474.1										473.6
	COEFF.	-0.332			-0.171										-0.172

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOEE	SEI	CART	TRANSONIC 16T
4	13	P43G-03	TF-556	1/29/81	29	2	22	9	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1510.8	583.3	637.9	3.090	108.6	568.3	31590.	597.0	913.8	0.50	1.238	3.471

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			304.3			335.1	392.5		448.0		
	COEFFICIENT			-0.437			-0.389	-0.299		-0.212		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				296.6		348.1	513.5		544.9		
	COEFFICIENT				-0.449		-0.369	-0.109		-0.060		
	ORIFICE							276		277		
277.5	PRESSURE							564.8		539.6		
	COEFFICIENT							-0.029		-0.068		
	ORIFICE						271	272		273		274
276.0	PRESSURE						311.3	398.5		578.7		515.1
	COEFFICIENT						-0.426	-0.290		-0.007		-0.107

	ORIFICE	291B	292B
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	550.9	550.8
	COEFFICIENT	-0.051	-0.051

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.026	0.091		0.0		0.100	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.0	0.0		0.031		0.0	0.0
273.0	ORIFICE	401	402		403		404	
	VALUE	0.038	0.023		0.047		0.035	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	14	P436-03	TF-556	1/29/81	29:	2:	24:	43	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1510.7	583.1	637.9	3.032	116.8	576.5	31597.	596.8	913.9	0.50	1.230	3.472

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	823.0	743.3	606.2	701.0	681.4	637.2									
	COEFF.	0.376	0.251	0.036	0.185	0.154	0.085									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	958.1	725.8	761.5	734.9	694.9	631.7									
	COEFF.	0.588	0.224	0.280	0.238	0.175	0.076									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							386.6	362.1	344.7	357.8	346.0	358.7			
	COEFF.							-0.308	-0.346	-0.374	-0.353	-0.372	-0.352			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											336.9	339.9	357.9		
	COEFF.											-0.386	-0.381	-0.353		
	ORIFICE	220	221	222												
278.0	PRESSURE	993.4	702.6	720.1												
	COEFF.	0.643	0.187	0.215												
	ORIFICE				223	224	225									
277.0	PRESSURE				716.0	714.0	687.0									
	COEFF.				0.208	0.205	0.163									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												357.6	360.6	367.9	
	COEFF.												-0.353	-0.349	-0.337	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1004.8	722.6	742.6	712.1	717.9	686.1									
	COEFF.	0.661	0.219	0.250	0.202	0.211	0.162									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1020.1	701.5	707.9	701.2	703.0	687.5									
	COEFF.	0.685	0.186	0.196	0.185	0.188	0.164									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	14	P43G-03	TF-556	1/29/81	29	2	24	43	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1510.7	583.1	637.9	3.032	116.8	576.5	31597.	596.8	913.9	0.50	1.230	3.472

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	280.8			343.8										553.6
	COEFF.	-0.474			-0.375										-0.046
290.0	ORIFICE	232	233					234							
	PRESSURE	301.7	327.8					454.6							
	COEFF.	-0.441	-0.400					-0.201							
288.0	ORIFICE	253	254					255							
	PRESSURE	502.1	400.9					482.5							
	COEFF.	-0.127	-0.286					-0.158							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						492.2	486.4	485.2						
	COEFF.						-0.142	-0.152	-0.153						
285.0	ORIFICE				251			252	*319*	*320*	*321*				
	PRESSURE				386.5			497.6	487.1	491.0	495.3				
	COEFF.				-0.308			-0.134	-0.150	-0.144	-0.138				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							525.3		530.6	531.4	529.8	543.9	554.1	
	COEFF.							-0.091		-0.082	-0.081	-0.083	-0.061	-0.045	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			461.6	485.3	520.2						520.2	512.6	510.3	
	COEFF.			-0.190	-0.153	-0.091						-0.099	-0.110	-0.114	
268.0	ORIFICE	216	217					218							
	PRESSURE	325.2	440.5					471.7							
	COEFF.	-0.404	-0.224					-0.175							
260.0	ORIFICE	207			208										209
	PRESSURE	372.1			472.9										472.7
	COEFF.	-0.331			-0.173										-0.173

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	14	P43G-03	TF-556	1/29/81	29: 2:24:43	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1510.7	583.1	637.9	3.032	116.8	576.5	31597.	596.8	913.9	0.50	1.230	3.472

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			302.0			333.6	392.0		445.6		
	COEFFICIENT			-0.441			-0.391	-0.300		-0.216		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			294.8			343.4	505.3		543.7		
	COEFFICIENT			-0.452			-0.376	-0.122		-0.062		
	ORIFICE							276		277		
277.5	PRESSURE							563.3		538.7		
	COEFFICIENT							-0.031		-0.070		
	ORIFICE						271	272		273		274
276.0	PRESSURE						310.2	397.3		577.4		511.2
	COEFFICIENT						-0.428	-0.291		-0.009		-0.113
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						550.6			550.1		
	COEFFICIENT						-0.051			-0.052		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.026	0.087			0.0		0.100		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.0			0.031		0.0	0.0	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.037	0.0			0.047		0.029		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	15	P436-03	TF-556	1/29/81	29: 2:29:54	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.389	1496.6	477.6	645.0	2.951	118.8	578.5	35833.	490.4	1006.2	0.50	1.294	3.184

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	=4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	734.7	625.7	500.4	585.1	589.4	545.2									
	COEFF.	0.398	0.230	0.035	0.167	0.173	0.105									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	886.7	624.1	635.9	617.9	596.3	549.4									
	COEFF.	0.634	0.227	0.245	0.217	0.184	0.111									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							343.4	325.8	310.0	314.8	300.2	313.9			
	COEFF.							=0.208	-0.235	-0.260	-0.252	-0.275	-0.254			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												279.4	277.3	290.4	
	COEFF.												=0.307	-0.311	-0.290	
	ORIFICE	220	221	222												
278.0	PRESSURE	906.0	629.5	639.3												
	COEFF.	0.664	0.235	0.251												
	ORIFICE				223	224	225									
277.0	PRESSURE				623.3	584.6	569.8									
	COEFF.				0.226	0.166	0.143									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												272.6	272.4	274.7	
	COEFF.												=0.318	-0.318	-0.315	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	919.4	604.8	646.0	609.0	591.5	569.7									
	COEFF.	0.685	0.197	0.261	0.204	0.177	0.143									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	930.0	615.3	605.6	596.7	597.9	567.1									
	COEFF.	0.701	0.213	0.198	0.185	0.187	0.139									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	15	P436-03	TF-556	1/29/81	29:	2:	29:	54	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.389	1496.6	477.6	645.0	2.951	118.8	578.5	35833.	490.4	1006.2	0.50	1.294	3.184

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	240.3			253.2										458.6
	COEFF.	-0.368			-0.348										-0.029
290.0	ORIFICE	232	233					234							
	PRESSURE	274.1	249.2					325.2							
	COEFF.	-0.315	-0.354					-0.236							
288.0	ORIFICE	253	254					255							
	PRESSURE	428.1	297.6					371.2							
	COEFF.	-0.077	-0.279					-0.165							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						375.0	372.8	371.7						
	COEFF.						-0.159	-0.162	-0.164						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		281.6					382.3	376.6	378.3	380.2				
	COEFF.		-0.304					-0.148	-0.157	-0.154	-0.151				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							419.5		425.2	425.3	407.0	408.7	403.8	
	COEFF.							-0.090		-0.081	-0.081	-0.109	-0.107	-0.114	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			358.5	380.0	418.3						403.0	385.6	377.6	
	COEFF.			-0.185	-0.151	-0.092						-0.116	-0.143	-0.155	
268.0	ORIFICE	216	217					218							
	PRESSURE	283.3	341.4					374.8							
	COEFF.	-0.301	-0.211					-0.159							
260.0	ORIFICE	207			208										209
	PRESSURE	323.2			410.1										351.2
	COEFF.	-0.239			-0.105										-0.196

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	15	P436-03	TF-556	1/29/81	29: 2:29:54	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.389	1496.6	477.6	645.0	2.951	118.8	578.5	35835.	490.4	1006.2	0.50	1.294	3.184

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			243.4			272.1	295.0		327.9		
	COEFFICIENT			-0.363			-0.319	-0.283		-0.232		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				242.1		276.8	369.9		405.4		
	COEFFICIENT				-0.365		-0.311	-0.167		-0.112		
	ORIFICE							276		277		
277.5	PRESSURE							457.1		410.1		
	COEFFICIENT							-0.032		-0.105		
	ORIFICE						271	272		273		274
276.0	PRESSURE						264.3	329.9		466.1		368.5
	COEFFICIENT						-0.331	-0.229		-0.018		-0.169
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						459.1			458.7		
	COEFFICIENT						-0.029			-0.029		

KULITE RMS VALUES

207.0	ORIFICE			410	411			412		413		
	VALUE			0.0	0.0			0.0		0.0		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.0			0.031		0.0	0.0	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.027	0.0			0.035		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	16	P43G-03	TF-556	1/29/81	29:	2:	30:	42	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.385	1511.2	484.8	651.2	2.975	119.7	579.4	35523.	497.7	1013.5	0.50	1.295	3.004

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111=0	STS=1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	745.6	635.0	633.2	593.6	598.5	552.0									
COEFF.	0.400	0.231	0.228	0.167	0.175	0.103									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	898.4	630.1	645.6	626.9	603.6	556.5									
COEFF.	0.635	0.223	0.247	0.218	0.183	0.110									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							348.1	330.2	314.5	318.9	304.1	318.6			
COEFF.							-0.210	-0.237	-0.261	-0.255	-0.277	-0.255			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											283.9	281.8	294.7		
COEFF.											-0.308	-0.312	-0.292		
ORIFICE	220	221	222												
278.0 PRESSURE	917.3	636.3	647.3												
COEFF.	0.664	0.233	0.250												
ORIFICE				223	224	225									
277.0 PRESSURE				630.4	592.3	577.5									
COEFF.				0.224	0.165	0.142									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												276.8	276.5	278.7	
COEFF.												-0.319	-0.320	-0.316	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	930.3	611.7	653.2	614.9	598.0	577.4									
COEFF.	0.684	0.195	0.259	0.200	0.174	0.142									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	941.5	621.6	610.0	601.2	604.1	574.4									
COEFF.	0.701	0.210	0.192	0.179	0.183	0.138									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	16	P436-03	TF-556	1/29/81	29:	2:	30:	42	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.385	1511.2	484.8	651.2	2.975	119.7	579.4	35523.	497.7	1013.5	0.50	1.295	3.004

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	243.3			255.6										461.8
	COEFF.	-0.371			-0.352										-0.035
290.0	ORIFICE	232	233					234							
	PRESSURE	277.7	252.9					329.8							
	COEFF.	-0.318	-0.356					-0.238							
288.0	ORIFICE	253	254					255							
	PRESSURE	421.6	301.8					376.3							
	COEFF.	-0.097	-0.281					-0.167							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						381.0	378.0	376.9						
	COEFF.						-0.159	-0.164	-0.166						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		285.3					387.6	382.2	384.1	385.0				
	COEFF.		-0.306					-0.149	-0.158	-0.155	-0.153				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							425.5		431.2	430.6	412.4	414.5	408.7	
	COEFF.							-0.091		-0.082	-0.083	-0.111	-0.108	-0.117	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			364.0	385.7	425.4						409.1	390.8	383.6	
	COEFF.			-0.185	-0.152	-0.091						-0.116	-0.144	-0.155	
268.0	ORIFICE	216	217					218							
	PRESSURE	287.3	346.0					380.0							
	COEFF.	-0.303	-0.213					-0.161							
260.0	ORIFICE	207			208										209
	PRESSURE	327.7			415.7										355.9
	COEFF.	-0.241			-0.106										-0.198

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	16	P436-03	TF-556	1/29/81	29: 2:30:42	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.385	1511.2	484.8	651.2	2.975	119.7	579.4	35523.	497.7	1013.5	0.50	1.295	3.004

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			246.8			275.8	299.5		333.9		
	COEFFICIENT			-0.365			-0.321	-0.285		-0.233		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			245.6			280.7	374.9		411.5		
	COEFFICIENT			-0.367			-0.313	-0.169		-0.113		
	ORIFICE							276		277		
277.5	PRESSURE							464.3		415.6		
	COEFFICIENT							-0.031		-0.106		
	ORIFICE						271	272		273		274
276.0	PRESSURE						268.0	334.0		473.3		373.0
	COEFFICIENT						-0.333	-0.232		-0.018		-0.172
	ORIFICE	2918	2928									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						465.4			465.0		
	COEFFICIENT						-0.030			-0.030		

KULITE RMS VALUES

287.0	ORIFICE	410	411			412		413	
	VALUE	0.0	0.0			0.0		0.0	
278.0	ORIFICE	405	406			407		408	409
	VALUE	0.0	0.0			0.031		0.0	0.0
273.0	ORIFICE	401	402			403		404	
	VALUE	0.027	0.0			0.035		0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	17	P436-03	TF-556	1/29/81	29:	2:	30:	59	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SRX10+3
1.389	1509.6	481.5	650.7	2.968	120.0	579.7	35664.	494.4	1015.2	0.50	1.293	3.156

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	742.3	632.1	629.9	590.8	594.3	549.2									
COEFF.	0.401	0.231	0.228	0.168	0.173	0.104									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	895.0	627.0	643.1	624.8	600.3	553.2									
COEFF.	0.635	0.224	0.248	0.220	0.183	0.110									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							346.1	328.5	312.5	317.5	302.5	316.3			
COEFF.							-0.208	-0.235	-0.260	-0.252	-0.275	-0.254			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													281.5	279.1	292.9
COEFF.													-0.307	-0.311	-0.290
ORIFICE	220	221	222												
278.0 PRESSURE	913.9	633.8	644.2												
COEFF.	0.665	0.234	0.250												
ORIFICE				223	224	225									
277.0 PRESSURE				626.9	589.1	575.3									
COEFF.				0.224	0.165	0.144									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													274.7	274.1	276.5
COEFF.													-0.318	-0.319	-0.315
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	927.0	609.4	650.3	612.2	595.1	575.4									
COEFF.	0.685	0.197	0.259	0.201	0.175	0.144									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	937.5	618.2	606.1	597.4	600.7	571.3									
COEFF.	0.701	0.210	0.192	0.178	0.183	0.138									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	17	P436-03	TF-556	1/29/81	29:	2:	30:	59	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.389	1509.6	481.5	650.7	2.968	120.0	579.7	35664.	494.4	1015.2	0.50	1.293	3.156

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	241.2			253.3										459.0
	COEFF.	-0.369			-0.351										-0.035
290.0	ORIFICE	232	233					234							
	PRESSURE	275.3	250.9					327.2							
	COEFF.	-0.317	-0.354					-0.237							
288.0	ORIFICE	253	254					255							
	PRESSURE	416.5	299.5					374.2							
	COEFF.	-0.100	-0.280					-0.165							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						377.9	375.7	374.7						
	COEFF.						-0.159	-0.163	-0.164						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		283.0					385.2	379.8	381.0	383.8				
	COEFF.		-0.305					-0.148	-0.156	-0.155	-0.150				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							422.6		429.0	428.4	410.2	411.2	405.2	
	COEFF.							-0.090		-0.081	-0.082	-0.110	-0.108	-0.117	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			361.5	383.2	422.1						406.4	387.9	380.3	
	COEFF.			-0.185	-0.151	-0.091						-0.115	-0.144	-0.156	
268.0	ORIFICE	216	217					218							
	PRESSURE	285.4	343.7					377.5							
	COEFF.	-0.301	-0.212					-0.160							
260.0	ORIFICE	207			208										209
	PRESSURE	324.8			412.4										353.7
	COEFF.	-0.241			-0.106										-0.196

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	17	P436-03	TF-556	1/29/81	29: 2:30:59	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.389	1509.6	481.5	650.7	2.968	120.0	579.7	35664.	494.4	1015.2	0.50	1.293	3.156

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			244.7			273.7	297.2		330.8		
	COEFFICIENT			-0.364			-0.319	-0.283		-0.236		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				243.6		278.6	372.9		408.8		
	COEFFICIENT				-0.366		-0.312	-0.167		-0.116		
	ORIFICE							276		277		
277.5	PRESSURE							460.9		413.1		
	COEFFICIENT							-0.032		-0.109		
	ORIFICE						271	272		273		274
276.0	PRESSURE						265.5	332.4		469.5		370.6
	COEFFICIENT						-0.332	-0.229		-0.018		-0.171
	ORIFICE	2918	2928									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						463.1			462.5		
	COEFFICIENT						-0.028			-0.029		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.0	0.0		0.0		0.0		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.0		0.031		0.0	0.0	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.026	0.0		0.035		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	18	P436-03	TF-556	1/29/81	29:	2:	32:	29	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.872	1098.0	668.7	356.2	2.111	103.6	563.3	28594.	678.9	419.1	0.50	1.212	3.087

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	748.4	729.7	718.2	702.6	658.9	607.3									
COEFF.	0.224	0.171	0.139	0.095	-0.028	-0.173									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	824.8	739.1	733.3	712.8	682.7	595.6									
COEFF.	0.438	0.198	0.181	0.124	0.039	-0.205									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							482.7	477.4	489.2	564.8	562.6	578.6			
COEFF.							-0.522	-0.537	-0.504	-0.292	-0.297	-0.253			
ORIFICE												*301*	*302*	*303*	
282.0 PRESSURE												556.2	561.8	569.8	
COEFF.												-0.316	-0.300	-0.278	
ORIFICE	220	221	222												
278.0 PRESSURE	855.7	737.2	734.4												
COEFF.	0.525	0.132	0.185												
ORIFICE				223	224	225									
277.0 PRESSURE				718.6	690.6	612.8									
COEFF.				0.140	0.061	-0.157									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												572.1	574.9	579.7	
COEFF.												-0.271	-0.263	-0.250	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	867.8	736.4	741.9	724.6	703.1	627.4									
COEFF.	0.559	0.190	0.206	0.157	0.097	-0.116									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	884.2	730.2	733.9	723.6	709.4	647.2									
COEFF.	0.605	0.173	0.183	0.154	0.114	-0.060									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
4	18	P436-03	TF-556	1/29/81	29: 2:32:29	0	288	02-27-81	2/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.872	1098.0	668.7	356.2	2.111	103.6	563.3	28594.	678.9	419.1	0.50	1.212	3.087

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	536.4			645.8										706.5
	COEFF.	-0.371			-0.064										0.106
290.0	ORIFICE	232	233					234							
	PRESSURE	521.0	614.6					663.9							
	COEFF.	-0.415	-0.152					-0.014							
288.0	ORIFICE	253	254					255							
	PRESSURE	424.2	623.1					665.5							
	COEFF.	-0.686	-0.128					-0.009							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						664.1	668.7	670.3						
	COEFF.						-0.013	0.000	0.004						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		601.9					676.9	673.5	675.0	678.0				
	COEFF.		-0.187					0.023	0.013	0.018	0.026				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							686.5		688.2	689.8	692.9	698.2	698.0	
	COEFF.							0.050		0.055	0.059	0.066	0.083	0.082	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			637.4	656.8	677.2						677.4	676.1	676.5	
	COEFF.			-0.086	-0.033	0.024						0.026	0.021	0.022	
268.0	ORIFICE	216	217					218							
	PRESSURE	556.5	606.4					644.9							
	COEFF.	-0.315	-0.175					-0.067							
260.0	ORIFICE	207			208										209
	PRESSURE	548.0			607.8										621.6
	COEFF.	-0.339			-0.171										-0.132

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
4	18	P436-03	TF-556	1/29/81	29	2	32	29	0	288	02-27-81	2/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.872	1098.0	668.7	356.2	2.111	103.6	563.3	28594.	678.9	419.1	0.50	1.212	3.087

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			499.1			527.4	574.9		659.8		
	COEFFICIENT			-0.476			-0.397	-0.263		-0.025		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				484.4		679.5	710.6		674.8		
	COEFFICIENT				-0.517		0.030	0.118		0.017		
	ORIFICE							276		277		
277.5	PRESSURE							682.2		677.1		
	COEFFICIENT							0.038		0.024		
	ORIFICE						271	272		273		274
276.0	PRESSURE						537.2	628.5		679.5		677.2
	COEFFICIENT						-0.369	-0.113		0.030		0.024
	ORIFICE	291R	292R									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						624.8			623.1		
	COEFFICIENT						-0.123			-0.126		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.136	0.157			0.074			0.060	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.0			0.031			0.0	0.0
273.0	ORIFICE			401	402			403			404	
	VALUE			0.064	0.046			0.048			0.034	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	1	P43G-03	TF-556	1/29/81	29: 6: 0:58	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.898	1197.6	709.3	400.8	2.254	118.4	578.1	27279.	720.5	477.1	0.50	1.171	0.436

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	801.5	787.1	773.2	754.6	701.4	638.3									
	COEFF.	0.230	0.194	0.159	0.113	-0.020	-0.177									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	885.4	795.5	789.2	766.5	730.4	632.3									
	COEFF.	0.440	0.215	0.199	0.143	0.053	-0.192									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							502.7	502.3	509.9	581.5	583.6	596.4			
	COEFF.							-0.516	-0.516	-0.498	-0.319	-0.314	-0.282			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												575.3	581.3	588.7	
	COEFF.												-0.334	-0.319	-0.301	
	ORIFICE	220	221	222												
278.0	PRESSURE	922.0	791.7	789.5												
	COEFF.	0.531	0.206	0.200												
	ORIFICE				223	224	225									
277.0	PRESSURE				771.8	738.9	646.7									
	COEFF.				0.156	0.074	-0.156									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												600.8	604.2	609.7	
	COEFF.												-0.271	-0.262	-0.248	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	928.9	789.3	795.3	776.0	753.2	663.7									
	COEFF.	0.548	0.200	0.215	0.166	0.110	-0.114									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	944.0	783.4	786.5	774.9	760.1	686.1									
	COEFF.	0.586	0.185	0.193	0.164	0.127	-0.058									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	1	P436-03	TF-556	1/29/81	29:	6:	0:	58	0	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.898	1197.6	709.3	400.8	2.254	118.4	578.1	27279.	720.5	477.1	0.50	1.171	0.436

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	589.7			688.9										745.5
	COEFF.	-0.298			-0.051										0.090
290.0	ORIFICE	232	233					234							
	PRESSURE	547.8	645.6					700.0							
	COEFF.	-0.403	-0.159					-0.023							
288.0	ORIFICE	253	254					255							
	PRESSURE	532.1	650.6					703.2							
	COEFF.	-0.442	-0.147					-0.015							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						703.6	707.9	713.4						
	COEFF.						-0.014	-0.003	0.010						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		627.6					722.4	716.0	715.5	714.0				
	COEFF.		-0.204					0.033	0.017	0.016	0.012				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							724.6		724.8	725.9	727.2	730.7	732.6	
	COEFF.							0.038		0.039	0.042	0.045	0.053	0.058	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			676.6	700.2	720.9						713.4	712.0	712.5	
	COEFF.			-0.081	-0.023	0.029						0.010	0.007	0.008	
268.0	ORIFICE	216	217					218							
	PRESSURE	603.9	638.5					679.4							
	COEFF.	-0.263	-0.177					-0.075							
260.0	ORIFICE	207			208										209
	PRESSURE	579.3			643.3										653.4
	COEFF.	-0.324			-0.165										-0.139

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	1	P436-03	TF-556	1/29/81	29:	6:	0:	58	0	288	02-27-81	67	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.898	1197.6	709.3	400.8	2.254	118.4	578.1	27279.	720.5	477.1	0.50	1.171	0.436

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			521.1			545.4	611.1		699.2		
	COEFFICIENT			-0.470			-0.409	-0.245		-0.025		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				506.1		738.2	749.0		711.8		
	COEFFICIENT				-0.507		0.072	0.099		0.006		
	ORIFICE							276		277		
277.5	PRESSURE							724.9		716.3		
	COEFFICIENT							0.039		0.018		
	ORIFICE						271	272		273		274
276.0	PRESSURE						571.1	670.4		722.2		711.7
	COEFFICIENT						-0.345	-0.097		0.032		0.006
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						662.6			660.6		
	COEFFICIENT						-0.116			-0.122		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.135	0.155			0.066		0.063		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.0			0.030		0.0	0.0	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.086	0.048			0.046		0.036		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
8	2	P436-03	TF-556	1/29/81	29:	6:	1:	22	0	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.904	1257.5	740.3	423.5	2.369	118.9	578.6	26315.	752.1	505.4	0.50	1.176	0.440

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	838.7	823.2	759.6	789.2	733.7	668.1									
	COEFF.	0.232	0.196	0.046	0.116	-0.016	-0.171									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	929.3	833.0	826.2	802.0	764.5	661.1									
	COEFF.	0.446	0.219	0.203	0.146	0.057	-0.187									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							518.7	517.4	525.9	604.2	605.9	618.7			
	COEFF.							-0.523	-0.526	-0.506	-0.321	-0.317	-0.287			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												595.5	601.4	610.4	
	COEFF.												-0.342	-0.328	-0.307	
	ORIFICE	220	221	222												
278.0	PRESSURE	967.6	829.3	826.6												
	COEFF.	0.537	0.210	0.204												
	ORIFICE				223	224	225									
277.0	PRESSURE				807.9	773.6	677.3									
	COEFF.				0.160	0.079	-0.149									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												625.0	628.6	635.0	
	COEFF.												-0.272	-0.264	-0.249	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	975.7	826.6	832.9	812.8	788.5	695.1									
	COEFF.	0.556	0.204	0.219	0.171	0.114	-0.107									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	991.6	820.7	823.6	811.1	795.8	719.3									
	COEFF.	0.594	0.190	0.197	0.167	0.131	-0.050									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	2	P436-03	TF-556	1/29/81	29:	6:	1:	22	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.904	1257.5	740.3	423.5	2.369	118.9	578.6	26315.	752.1	505.4	0.50	1.176	0.440

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	596.8			722.3										780.7
	COEFF.	-0.339			-0.042										0.096
290.0	ORIFICE	232	233					234							
	PRESSURE	572.1	671.0					731.6							
	COEFF.	-0.397	-0.163					-0.020							
288.0	ORIFICE	253	254					255							
	PRESSURE	534.4	675.6					735.4							
	COEFF.	-0.486	-0.153					-0.012							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						733.9	739.3	746.1						
	COEFF.						-0.015	-0.002	0.014						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		651.1					757.2	749.3	749.1	748.9				
	COEFF.		-0.211					0.040	0.021	0.021	0.020				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							757.7		757.9	758.8	762.7	765.7	767.3	
	COEFF.							0.041		0.042	0.044	0.053	0.060	0.064	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			707.2	731.8	753.0						746.1	744.7	744.6	
	COEFF.			-0.078	-0.020	0.030						0.014	0.011	0.010	
268.0	ORIFICE	216	217					218							
	PRESSURE	623.2	664.9					708.3							
	COEFF.	-0.276	-0.178					-0.075							
260.0	ORIFICE	207			208										209
	PRESSURE	601.1			668.9										682.7
	COEFF.	-0.329			-0.168										-0.136

DATE 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	2	P436-03	TF-556	1/29/81	29	6	1	22	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.904	1257.5	740.3	423.5	2.369	118.9	578.6	26315.	752.1	505.4	0.50	1.176	0.440

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			537.4			561.3	633.8		730.5		
	COEFFICIENT			-0.479			-0.423	-0.251		-0.023		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				520.7		774.3	780.9		743.8		
	COEFFICIENT				-0.518		0.080	0.096		0.008		
	ORIFICE							276		277		
277.5	PRESSURE							754.7		748.1		
	COEFFICIENT							0.034		0.020		
	ORIFICE						271	272		273		274
276.0	PRESSURE						594.0	699.2		752.2		744.7
	COEFFICIENT						-0.345	-0.097		0.028		0.010

	ORIFICE	2918	2928
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						691.8			690.5		
	COEFFICIENT						-0.114			-0.118		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.152	0.168		0.073		0.071		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.0		0.030		0.0	0.0	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.095	0.053		0.049		0.039		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION-WIND-TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
8	10	P436-03	TF-556	1/29/81	29: 6:10: 3	0.	288	02-27-81	6/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1967.9	1163.9	659.5	3.693	119.8	579.5	15618.	1183.2	784.7	0.50	1.180	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1315.8	1290.7	1192.0	1236.4	1152.3	1055.9									
	COEFF.	0.230	0.192	0.043	0.110	-0.018	-0.164									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1462.2	1308.3	1296.4	1257.0	1200.1	1038.8									
	COEFF.	0.452	0.219	0.201	0.141	0.055	-0.190									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							839.2	839.4	862.4	953.9	959.7	980.0			
	COEFF.							-0.492	-0.492	-0.457	-0.318	-0.310	-0.279			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													944.0	954.9	970.9
	COEFF.													-0.333	-0.317	-0.293
	ORIFICE	220	221	222												
278.0	PRESSURE	1520.2	1303.5	1299.0												
	COEFF.	0.540	0.212	0.205												
	ORIFICE				223	224	225									
277.0	PRESSURE				1269.5	1213.5	1069.8									
	COEFF.				0.160	0.075	-0.143									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													992.2	997.7	1007.7
	COEFF.													-0.260	-0.252	-0.237
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1533.6	1299.8	1310.0	1278.0	1237.9	1095.5									
	COEFF.	0.561	0.206	0.221	0.173	0.112	-0.104									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1558.4	1290.9	1292.6	1274.5	1249.4	1128.1									
	COEFF.	0.598	0.193	0.195	0.168	0.130	-0.054									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	10	P436-03	TF-556	1/29/81	29:	6:	10:	3	0	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1967.9	1163.9	659.5	3.693	119.8	579.5	15618.	1183.2	784.7	0.50	1.180	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	960.5			1143.7										1238.0
	COEFF.	-0.308			-0.031										0.112
290.0	ORIFICE	232	233					234							
	PRESSURE	902.3	1059.3					1151.6							
	COEFF.	-0.397	-0.159					-0.019							
288.0	ORIFICE	253	254					255							
	PRESSURE	824.4	1067.3					1159.9							
	COEFF.	-0.515	-0.146					-0.006							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1155.2	1164.8	1174.6						
	COEFF.						-0.013	0.001	0.016						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1032.0					1197.6	1183.4	1183.6	1186.2				
	COEFF.		-0.200					0.051	0.030	0.030	0.034				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1196.2		1198.7	1200.6	1208.5	1212.7	1213.7	
	COEFF.							0.049		0.053	0.056	0.068	0.074	0.076	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1118.9	1158.6	1188.1						1176.9	1174.7	1175.2	
	COEFF.			-0.068	-0.008	0.037						0.020	0.016	0.017	
268.0	ORIFICE	216	217					218							
	PRESSURE	989.0	1051.3					1116.1							
	COEFF.	-0.265	-0.171					-0.072							
260.0	ORIFICE	207			208										209
	PRESSURE	947.7			1058.6										1078.9
	COEFF.	-0.328			-0.160										-0.129

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	10	P43G-03	TF-556	1/29/81	29:	6:	10:	3	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1967.9	1163.9	659.5	3.693	119.8	579.5	15618.	1183.2	784.7	0.50	1.180	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			848.3			890.2	1008.0		1153.2		
	COEFFICIENT			-0.479			-0.415	-0.236		-0.016		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				820.8		1226.5	1228.2		1173.8		
	COEFFICIENT				-0.520		0.095	0.097		0.015		
	ORIFICE							276		277		
277.5	PRESSURE							1183.9		1183.8		
	COEFFICIENT							0.030		0.030		
	ORIFICE						271	272		273		274
276.0	PRESSURE						952.1	1108.1		1179.5		1175.2
	COEFFICIENT						-0.321	-0.085		0.024		0.017
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1087.6			1087.0		
	COEFFICIENT						-0.116			-0.117		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.230	0.263			0.125			0.115	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.0			0.032			0.036	0.0
273.0	ORIFICE			401	402			403			404	
	VALUE			0.151	0.092			0.075			0.067	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE, 2-27-81 PROJECT NO. P-36-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	11	P436-03	TF-556	1/29/81	29:	6:	10:	29	0.	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1966.0	1162.4	659.1	3.693	119.5	579.2	15650.	1181.7	784.3	0.50	1.180	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
300.0	ORIFICE	236	237	238	239	240	241									
	PRESSURE	1313.8	1289.4	1190.5	1234.9	1152.1	1054.8									
	COEFF.	0.230	0.193	0.043	0.110	-0.016	-0.163									
290.0	ORIFICE	226	227	228	229	230	231									
	PRESSURE	1459.4	1307.1	1294.8	1255.3	1198.8	1037.0									
	COEFF.	0.451	0.219	0.201	0.141	0.055	-0.190									
287.0	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
	PRESSURE							839.0	839.2	862.0	952.4	958.2	980.0			
	COEFF.							-0.491	-0.490	-0.456	-0.319	-0.314	-0.277			
282.0	ORIFICE												*301*	*302*	*303*	
	PRESSURE												942.9	953.8	969.8	
	COEFF.												-0.333	-0.317	-0.292	
278.0	ORIFICE	220	221	222												
	PRESSURE	1517.8	1302.0	1297.5												
	COEFF.	0.539	0.212	0.205												
277.0	ORIFICE				223	224	225									
	PRESSURE				1267.9	1211.9	1068.3									
	COEFF.				0.160	0.075	-0.143									
275.0	ORIFICE												*291*	*292*	*293*	
	PRESSURE												991.8	997.3	1007.4	
	COEFF.												-0.259	-0.251	-0.235	
268.0	ORIFICE	210	211	212	213	214	215									
	PRESSURE	1531.7	1298.6	1308.7	1276.7	1236.3	1094.2									
	COEFF.	0.560	0.207	0.222	0.173	0.112	-0.103									
260.0	ORIFICE	201	202	203	204	205	206									
	PRESSURE	1556.5	1289.7	1291.0	1273.3	1248.0	1127.0									
	COEFF.	0.598	0.193	0.195	0.168	0.130	-0.054									

DATE 2-4-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
8	11	P43G-03	TF-556	1/29/81	29:	6:	10:	29	0	288	02-27-81	6/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1966.0	1162.4	659.1	3.693	119.5	579.2	15650.	1181.7	784.3	0.50	1.180	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	960.0			1142.3										1237.4
	COEFF.	-0.307			-0.031										0.114
290.0	ORIFICE	232	233				234								
	PRESSURE	901.1	1058.0				1150.3								
	COEFF.	-0.396	-0.158				-0.018								
288.0	ORIFICE	253	254				255								
	PRESSURE	835.7	1066.7				1158.4								
	COEFF.	-0.496	-0.145				-0.006								
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					1153.5	1162.9	1173.1							
	COEFF.					-0.014	0.001	0.016							
285.0	ORIFICE			251			252	*319*	*320*	*321*					
	PRESSURE			1031.2			1196.0	1181.9	1181.9	1186.0					
	COEFF.			-0.199			0.051	0.030	0.030	0.036					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						1197.3		1197.7	1199.3	1207.0	1210.9	1212.7		
	COEFF.						0.053		0.053	0.056	0.066	0.074	0.076		
275.0	ORIFICE			*294*	*295*	*296*					*297*	*298*	*299*		
	PRESSURE			1118.2	1157.8	1187.9					1176.1	1173.5	1173.7		
	COEFF.			-0.067	-0.007	0.039					0.021	0.017	0.017		
268.0	ORIFICE	216	217				218								
	PRESSURE	988.0	1049.8				1114.5								
	COEFF.	-0.265	-0.171				-0.073								
260.0	ORIFICE	207			208										209
	PRESSURE	947.0			1057.3										1077.7
	COEFF.	-0.327			-0.160										-0.129

DATE: 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	11	P436-03	TF-556	1/29/81	29:	6:	10:	29	0	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1966.0	1162.4	659.1	3.693	119.5	579.2	15650.	1181.7	784.3	0.50	1.180	0.416

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			847.6			888.9	1007.0		1151.9		
	COEFFICIENT			-0.478			-0.415	-0.236		-0.016		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				820.0		1224.0	1226.7		1172.3		
	COEFFICIENT				-0.520		0.093	0.098		0.015		
	ORIFICE							276		277		
277.5	PRESSURE							1181.9		1182.4		
	COEFFICIENT							0.030		0.030		
	ORIFICE						271	272		273		274
276.0	PRESSURE						951.4	1106.8		1177.7		1174.0
	COEFFICIENT						-0.320	-0.084		0.023		0.018
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1086.2			1085.7		
	COEFFICIENT						-0.116			-0.116		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.231	0.265			0.124			0.114	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.0			0.032			0.036	0.0
273.0	ORIFICE			401	402			403			404	
	VALUE			0.150	0.089			0.074			0.066	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	12	P436-03	TF-556	1/29/81	29:	6:	10:	46	0.	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.899	1965.2	1162.9	658.2	3.688	119.7	579.4	15639.	1182.2	783.0	0.50	1.180	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1314.3	1289.7	1265.5	1235.4	1152.0	1055.1									
	COEFF.	0.230	0.193	0.156	0.110	-0.017	-0.164									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1460.2	1307.1	1295.1	1255.7	1198.9	1037.8									
	COEFF.	0.452	0.219	0.201	0.141	0.055	-0.190									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							838.8	839.0	862.5	953.2	958.9	980.5			
	COEFF.							-0.492	-0.492	-0.456	-0.319	-0.310	-0.277			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												943.8	954.3	971.0	
	COEFF.												-0.333	-0.317	-0.292	
	ORIFICE	220	221	222												
278.0	PRESSURE	1518.6	1302.2	1297.7												
	COEFF.	0.540	0.212	0.205												
	ORIFICE				223	224	225									
277.0	PRESSURE				1268.3	1212.1	1068.7									
	COEFF.				0.160	0.075	-0.143									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												992.5	998.0	1008.2	
	COEFF.												-0.259	-0.251	-0.235	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1532.3	1298.6	1308.6	1277.0	1236.7	1094.6									
	COEFF.	0.561	0.206	0.221	0.173	0.112	-0.104									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1557.0	1289.9	1291.6	1273.3	1248.4	1127.8									
	COEFF.	0.599	0.193	0.195	0.168	0.130	-0.053									

DATE 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	12	P436-03	TF-556	1/29/81	29:	6:	10:	46	0	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.899	1965.2	1162.9	658.2	3.688	119.7	579.4	15639.	1182.2	783.0	0.50	1.180	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	960.3			1142.6										1237.5
	COEFF.	-0.308			-0.031										0.113
290.0	ORIFICE	232	233					234							
	PRESSURE	901.5	1058.2					1150.8							
	COEFF.	-0.397	-0.159					-0.018							
288.0	ORIFICE	253	254					255							
	PRESSURE	843.8	1067.1					1158.8							
	COEFF.	-0.485	-0.146					-0.006							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1153.8	1163.4	1173.6						
	COEFF.						-0.014	0.001	0.016						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1031.7					1196.1	1182.4	1182.0	1186.1				
	COEFF.		-0.199					0.050	0.030	0.029	0.035				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1195.6		1197.1	1199.6	1206.8	1211.4	1212.9	
	COEFF.							0.050		0.052	0.056	0.067	0.074	0.076	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1119.0	1158.1	1188.0						1176.2	1173.7	1174.7	
	COEFF.			-0.067	-0.007	0.038						0.020	0.016	0.018	
268.0	ORIFICE	216	217					218							
	PRESSURE	988.3	1050.2					1115.0							
	COEFF.	-0.265	-0.171					-0.073							
260.0	ORIFICE	207			208										209
	PRESSURE	947.5			1058.1										1078.2
	COEFF.	-0.327			-0.159										-0.129

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOEF	SET	CART	TRANSONIC 16T
8	12	P436-03	TF-556	1/29/81	29:	6:	10:	46	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.899	1965.2	1162.9	658.2	3.588	119.7	579.4	15639.	1182.2	783.0	0.50	1.180	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			848.2			890.8	1007.8		1152.1		
	COEFFICIENT			-0.478			-0.413	-0.236		-0.016		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				820.9		1225.2	1227.4		1173.9		
	COEFFICIENT				-0.520		0.095	0.098		0.015		
	ORIFICE							276		277		
277.5	PRESSURE							1182.9		1182.8		
	COEFFICIENT							0.030		0.030		
	ORIFICE						271	272		273		274
276.0	PRESSURE						951.1	1107.6		1178.6		1174.3
	COEFFICIENT						-0.322	-0.084		0.024		0.017
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1086.8			1086.1		
	COEFFICIENT						-0.116			-0.117		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.230	0.263			0.122			0.113	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.0			0.032			0.036	0.0
273.0	ORIFICE			401	402			403			404	
	VALUE			0.149	0.090			0.074			0.067	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
8	13	P436-03	TF-556	1/29/81	29: 6:15:14	0.	288	02-27-81	6/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.095	1901.9	895.8	752.5	3.769	119.3	579.0	21919.	914.0	987.9	0.50	1.183	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1123.8	1070.5	1046.5	1018.6	985.1	866.6									
COEFF.	0.303	0.232	0.200	0.163	0.119	-0.039									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1304.8	1088.2	1076.2	1040.6	1020.1	860.8									
COEFF.	0.543	0.256	0.240	0.192	0.165	-0.046									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							564.8	528.8	524.7	563.1	556.2	602.9			
COEFF.							-0.440	-0.488	-0.493	-0.442	-0.451	-0.389			
ORIFICE												*301*	*302*	*303*	
282.0 PRESSURE												546.0	553.7	572.7	
COEFF.												-0.465	-0.455	-0.429	
ORIFICE	220	221	222												
278.0 PRESSURE	1364.2	1073.2	1076.6												
COEFF.	0.622	0.236	0.240												
ORIFICE				223	224	225									
277.0 PRESSURE				1050.9	989.4	909.1									
COEFF.				0.206	0.124	0.018									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												612.9	625.6	646.8	
COEFF.												-0.376	-0.359	-0.331	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1373.9	1064.0	1085.8	1053.9	1022.7	949.1									
COEFF.	0.635	0.224	0.253	0.210	0.169	0.071									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1398.1	1045.6	1057.9	1043.9	1039.4	981.1									
COEFF.	0.667	0.199	0.215	0.197	0.191	0.113									

DATE. 2-27-81 PROJECT NO. P430-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	13	P430-03	TF-556	1/29/81	29:	6:	15:	14	0	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.095	1901.9	895.8	752.5	3.769	119.3	579.0	21919.	914.0	987.9	0.50	1.183	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	384.3			762.5										933.8
	COEFF.	-0.680			-0.177										0.050
290.0	ORIFICE	232	233					234							
	PRESSURE	470.0	614.6					803.5							
	COEFF.	-0.566	-0.374					-0.123							
288.0	ORIFICE	253	254					255							
	PRESSURE	761.1	639.3					802.7							
	COEFF.	-0.179	-0.340					-0.124							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						786.2	807.3	823.7						
	COEFF.						-0.146	-0.118	-0.096						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		675.0					839.0	841.5	844.0	851.6				
	COEFF.		-0.294					-0.075	-0.072	-0.069	-0.059				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							854.3		862.2	866.4	889.4	907.5	917.7	
	COEFF.							-0.055		-0.045	-0.039	-0.009	0.016	0.029	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			825.1	847.1	865.5						845.4	841.3	850.6	
	COEFF.			-0.094	-0.065	-0.040						-0.067	-0.072	-0.060	
268.0	ORIFICE	216	217					218							
	PRESSURE	528.3	727.1					779.5							
	COEFF.	-0.488	-0.224					-0.155							
260.0	ORIFICE	207			208										209
	PRESSURE	632.3			766.2										767.6
	COEFF.	-0.350			-0.172										-0.170

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
8	13	P43G-03	TF-556	1/29/81	29: 6:15:14	0.	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.095	1901.9	895.8	752.5	3.769	119.3	579.0	21919.	914.0	987.9	0.50	1.183	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			484.0			480.9	550.4		743.7		
	COEFFICIENT			-0.547			-0.551	-0.459		-0.202		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				473.0		752.1	890.0		784.1		
	COEFFICIENT				-0.562		-0.191	-0.008		-0.148		
	ORIFICE							276		277		
277.5	PRESSURE							884.5		809.3		
	COEFFICIENT							-0.015		-0.115		
	ORIFICE						271	272		273		274
276.0	PRESSURE						540.8	703.7		872.5		861.5
	COEFFICIENT						-0.472	-0.255		-0.031		-0.046

	ORIFICE	2918	2928
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	820.2	819.8
	COEFFICIENT	-0.100	-0.101

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413	
	VALUE	0.070	0.098	0.128	0.129	
278.0	ORIFICE	405	406	407	408	409
	VALUE	0.0	0.0	0.031	0.039	0.0
273.0	ORIFICE	401	402	403	404	
	VALUE	0.084	0.062	0.077	0.061	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	14	P436-03	TF-556	1/29/81	29:	6:	15:	54	0.	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.099	1905.3	893.1	755.5	3.778	119.2	578.9	21990.	911.3	994.0	0.50	1.186	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1125.5	1068.8	1044.2	1017.0	982.3	867.4									
	COEFF.	0.308	0.233	0.200	0.164	0.118	-0.034									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1307.0	1089.9	1076.6	1039.9	1019.6	863.0									
	COEFF.	0.548	0.260	0.243	0.194	0.167	-0.040									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							564.9	528.7	524.2	562.3	555.0	600.9			
	COEFF.							-0.434	-0.482	-0.488	-0.438	-0.447	-0.387			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													544.8	552.7	571.7
	COEFF.													-0.461	-0.451	-0.425
	ORIFICE	220	221	222												
278.0	PRESSURE	1364.0	1073.3	1077.3												
	COEFF.	0.623	0.238	0.244												
	ORIFICE				223	224	225									
277.0	PRESSURE				1050.5	989.0	909.6									
	COEFF.				0.208	0.127	0.022									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													611.5	623.7	644.8
	COEFF.													-0.373	-0.357	-0.329
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1373.9	1062.7	1085.0	1054.5	1021.6	948.8									
	COEFF.	0.636	0.224	0.254	0.214	0.170	0.074									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1397.4	1043.4	1056.0	1043.3	1038.1	980.2									
	COEFF.	0.668	0.199	0.216	0.199	0.192	0.115									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	14	P43G-03	TF-556	1/29/81	29:	6:	15:	54	0	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.099	1905.3	893.1	755.5	3.778	119.2	578.9	21990.	911.3	994.0	0.50	1.186	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	384.9			755.5										927.1
	COEFF.	-0.673			-0.182										0.045
290.0	ORIFICE	232	233					234							
	PRESSURE	466.8	609.9					792.0							
	COEFF.	-0.564	-0.375					-0.134							
288.0	ORIFICE	253	254					255							
	PRESSURE	736.4	637.5					790.3							
	COEFF.	-0.207	-0.338					-0.136							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						774.8	795.9	813.3						
	COEFF.						-0.157	-0.129	-0.106						
285.0	ORIFICE				251			252	*319*	*320*	*321*				
	PRESSURE				674.1			824.8	831.5	835.0	841.8				
	COEFF.				-0.290			-0.090	-0.082	-0.077	-0.068				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							846.9		855.2	859.0	883.0	902.6	913.9	
	COEFF.							-0.061		-0.050	-0.045	-0.013	0.013	0.028	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			820.1	842.3	861.3						836.9	832.6	842.1	
	COEFF.			-0.097	-0.067	-0.042						-0.074	-0.080	-0.068	
268.0	ORIFICE	216	217					218							
	PRESSURE	523.7	724.8					779.0							
	COEFF.	-0.489	-0.223					-0.151							
260.0	ORIFICE	207			208										209
	PRESSURE	628.9			762.9										759.9
	COEFF.	-0.350			-0.172										-0.176

DATE. 2-27-81 PROJECT NO. P430-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
8	14	P430-03	TF-556	1/29/81	29: 6:15:54	0.	288	02-27-81	6/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.099	1905.3	893.1	755.5	3.770	119.2	578.9	21990.	911.3	994.0	0.50	1.186	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			481.6			482.1	551.0		730.2		
	COEFFICIENT			-0.545			-0.544	-0.453		-0.216		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				470.8		744.9	888.5		779.3		
	COEFFICIENT				-0.559		-0.196	-0.006		-0.151		
	ORIFICE							276		277		
277.5	PRESSURE							883.5		806.6		
	COEFFICIENT							-0.013		-0.115		
	ORIFICE						271	272		273		274
276.0	PRESSURE						537.0	697.4		869.5		845.3
	COEFFICIENT						-0.471	-0.259		-0.031		-0.063
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						817.5			816.8		
	COEFFICIENT						-0.100			-0.101		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.071	0.094		0.120		0.128		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.0		0.031		0.040	0.0	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.082	0.062		0.076		0.061		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
8	15	P436-03	TF-556	1/29/81	29: 6:16:13	0	288	02-27-81	6/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.099	1904.3	892.7	755.1	3.775	119.4	579.1	22000.	910.9	993.4	0.50	1.185	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1125.5	1068.5	1043.6	1015.9	981.9	867.4									
	COEFF.	0.308	0.233	0.200	0.163	0.118	-0.034									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1306.6	1089.4	1076.1	1039.2	1019.4	863.2									
	COEFF.	0.548	0.261	0.243	0.194	0.168	-0.039									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							564.5	528.5	523.8	562.1	553.7	600.3			
	COEFF.							-0.435	-0.482	-0.489	-0.438	-0.449	-0.387			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											544.0	552.1	571.3		
	COEFF.											-0.462	-0.451	-0.426		
	ORIFICE	220	221	222												
278.0	PRESSURE	1364.2	1073.0	1077.0												
	COEFF.	0.624	0.239	0.244												
	ORIFICE				223	224	225									
277.0	PRESSURE				1050.1	988.4	909.3									
	COEFF.				0.208	0.127	0.022									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												611.0	623.4	644.2	
	COEFF.												-0.373	-0.357	-0.329	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1373.5	1062.5	1084.8	1054.3	1021.3	948.6									
	COEFF.	0.637	0.225	0.254	0.214	0.170	0.074									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1397.0	1042.7	1055.1	1042.4	1037.8	979.8									
	COEFF.	0.668	0.199	0.215	0.198	0.192	0.115									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
8	15	P436-03	TF-556	1/29/81	29:	6:	16:	13	0.	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.099	1904.3	892.7	755.1	3.775	119.4	579.1	22000.	910.9	993.4	0.50	1.185	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
	ORIFICE	242			243										244
300.0	PRESSURE	385.5			753.7										926.4
	COEFF.	-0.672			-0.184										0.045
	ORIFICE	232	233					234							
290.0	PRESSURE	466.4	609.6					789.8							
	COEFF.	-0.565	-0.375					-0.136							
	ORIFICE	253	254					255							
288.0	PRESSURE	725.9	636.9					789.1							
	COEFF.	-0.221	-0.339					-0.137							
	ORIFICE						*316*	*317*	*318*						
287.0	PRESSURE						774.2	794.4	811.6						
	COEFF.						-0.157	-0.130	-0.107						
	ORIFICE		251					252	*319*	*320*	*321*				
285.0	PRESSURE		674.2					823.6	830.0	833.5	841.4				
	COEFF.		-0.289					-0.091	-0.083	-0.078	-0.068				
	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
282.0	PRESSURE							845.8		853.9	858.3	881.7	902.0	912.6	
	COEFF.							-0.062		-0.051	-0.046	-0.015	0.012	0.026	
	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
275.0	PRESSURE			819.4	841.3	860.2						835.0	831.3	839.9	
	COEFF.			-0.097	-0.068	-0.043						-0.076	-0.081	-0.070	
	ORIFICE	216	217					218							
268.0	PRESSURE	523.8	724.3					778.9							
	COEFF.	-0.489	-0.223					-0.151							
	ORIFICE	207			208										209
260.0	PRESSURE	628.8			762.4										759.0
	COEFF.	-0.350			-0.173										-0.177

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
8	15	P436-03	TF-556	1/29/81	29:	6:	16:	13	0	288	02-27-81	6/	I	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.099	1904.3	892.7	755.1	3.775	119.4	579.1	22000.	910.9	993.4	0.50	1.185	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			481.8			481.6	551.1		729.3		
	COEFFICIENT			-0.544			-0.544	-0.452		-0.216		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				471.2		744.7	887.2		777.8		
	COEFFICIENT				-0.558		-0.196	-0.007		-0.152		
	ORIFICE							276		277		
277.5	PRESSURE							882.3		805.4		
	COEFFICIENT							-0.014		-0.116		
	ORIFICE						271	272		273		274
276.0	PRESSURE						536.4	697.6		868.9		844.4
	COEFFICIENT						-0.472	-0.258		-0.031		-0.064
	ORIFICE	2918	2928									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						816.9			816.1		
	COEFFICIENT						-0.100			-0.101		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.071	0.095			0.121			0.128	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.0			0.031			0.039	0.0
273.0	ORIFICE			401	402			403			404	
	VALUE			0.082	0.062			0.076			0.061	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	16	P436-03	TF-556	1/29/81	29: 6:19:42	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.249	1654.7	639.7	698.5	3.302	119.4	579.1	29573.	654.8	999.9	0.50	1.222	0.951

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	910.7	821.2	815.2	776.1	744.8	700.6									
	COEFF.	0.388	0.260	0.251	0.195	0.150	0.087									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1062.7	811.1	843.8	814.6	770.1	697.7									
	COEFF.	0.606	0.245	0.292	0.250	0.187	0.083									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							435.0	412.1	393.8	384.2	370.9	384.2			
	COEFF.							-0.293	-0.326	-0.352	-0.366	-0.385	-0.366			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											358.4	361.2	381.1		
	COEFF.											-0.403	-0.399	-0.370		
	ORIFICE	220	221	222												
278.0	PRESSURE	1093.6	775.7	801.2												
	COEFF.	0.650	0.195	0.231												
	ORIFICE				223	224	225									
277.0	PRESSURE				792.7	790.1	757.8									
	COEFF.				0.219	0.215	0.169									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												385.0	388.3	396.1	
	COEFF.												-0.365	-0.360	-0.349	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1102.4	788.7	814.6	785.7	796.7	761.1									
	COEFF.	0.662	0.213	0.250	0.209	0.225	0.174									
	ORIFICE	201	202	203	204	205	206									
250.0	PRESSURE	1116.8	754.1	773.8	774.5	782.2	757.9									
	COEFF.	0.683	0.164	0.192	0.193	0.204	0.169									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
8	16	P436-03	TF-556	1/29/81	29:	6:	19:	42	0.	288	02-27-81	6/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.249	1654.7	639.7	698.5	3.302	119.4	579.1	29573.	654.8	999.9	0.50	1.222	0.951

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	295.3			363.3										614.4
	COEFF.	-0.493			-0.396										-0.036
290.0	ORIFICE	232	233					234							
	PRESSURE	314.1	339.7					490.0							
	COEFF.	-0.466	-0.430					-0.214							
288.0	ORIFICE	253	254					255							
	PRESSURE	617.1	427.6					528.1							
	COEFF.	-0.032	-0.304					-0.160							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						536.3	531.2	530.3						
	COEFF.						-0.148	-0.155	-0.157						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		403.9					547.9	531.7	534.7	538.8				
	COEFF.		-0.338					-0.131	-0.155	-0.150	-0.144				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							573.7		581.9	579.4	574.5	590.9	605.7	
	COEFF.							-0.094		-0.083	-0.086	-0.093	-0.070	-0.049	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			498.3	526.6	573.5						571.5	561.3	554.5	
	COEFF.			-0.202	-0.162	-0.095						-0.098	-0.112	-0.122	
268.0	ORIFICE	216	217					218							
	PRESSURE	344.1	480.6					516.5							
	COEFF.	-0.423	-0.228					-0.176							
260.0	ORIFICE	207			208										209
	PRESSURE	405.1			516.7										522.5
	COEFF.	-0.336			-0.176										-0.168

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	16	P436-03	TF-556	1/29/81	29:	6:	19:	42	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.249	1654.7	639.7	698.5	3.302	119.4	579.1	29573	654.8	999.9	0.50	1.222	0.951

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			325.2			362.0	430.9		490.2		
	COEFFICIENT			-0.450			0.398	-0.299		-0.214		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				317.1		368.8	543.0		602.1		
	COEFFICIENT				-0.462		-0.388	-0.138		-0.054		
	ORIFICE							276		277		
277.5	PRESSURE							622.3		592.3		
	COEFFICIENT							-0.025		-0.068		
	ORIFICE						271	272		273		274
276.0	PRESSURE						333.9	430.5		621.4		554.3
	COEFFICIENT						-0.438	-0.300		-0.026		-0.122
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						604.2			604.3		
	COEFFICIENT						-0.051			-0.051		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.032	0.084		0.0		0.122		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.0		0.030		0.025	0.0	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.035	0.026		0.051		0.036		

ACCELEROMETER RMS VALUES

1	2	3
8.0800	9.9990	9.9990

DATE. 2-2?-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	17	P436-03	TF-556	1/29/81	29: 6:20:18	0	288	02-27-81	6/ 1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.249	1661.1	641.9	701.3	3.314	119.5	579.2	29500.	657.0	1004.1	0.50	1.220	0.948

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	913.8	824.3	816.0	779.6	747.2	702.6									
COEFF.	0.388	0.260	0.248	0.196	0.150	0.086									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1064.6	812.4	845.9	815.2	772.3	698.6									
COEFF.	0.603	0.243	0.291	0.247	0.186	0.081									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							436.2	412.8	395.2	384.7	370.5	383.4			
COEFF.							-0.293	-0.327	-0.352	-0.367	-0.387	-0.369			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											358.2	360.2	380.5		
COEFF.											-0.404	-0.402	-0.373		
ORIFICE	220	221	222												
278.0 PRESSURE	1096.6	777.3	801.8												
COEFF.	0.648	0.193	0.228												
ORIFICE				223	224	225									
277.0 PRESSURE				795.7	793.7	759.3									
COEFF.				0.219	0.216	0.167									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											383.5	386.9	394.6		
COEFF.											-0.368	-0.364	-0.353		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1105.3	790.4	816.7	787.5	798.3	762.7									
COEFF.	0.661	0.212	0.249	0.208	0.223	0.172									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1120.3	754.8	775.6	773.9	783.9	759.7									
COEFF.	0.682	0.161	0.191	0.188	0.202	0.168									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	17	P436-03	TF-556	1/29/81	29:	6:	20:	18	0.	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.249	1661.1	641.9	701.3	3.314	119.5	579.2	29500.	657.0	1004.1	0.50	1.220	0.948

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	290.9			353.3										612.5
	COEFF.	-0.500			-0.412										-0.042
290.0	ORIFICE	232	233					234							
	PRESSURE	313.0	338.4					490.1							
	COEFF.	-0.469	-0.433					-0.216							
288.0	ORIFICE	253	254					255							
	PRESSURE	595.3	426.2					527.5							
	COEFF.	-0.067	-0.308					-0.163							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						536.2	531.6	530.8						
	COEFF.						-0.151	-0.157	-0.158						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		401.7					548.2	532.2	534.9	538.7				
	COEFF.		-0.342					-0.134	-0.156	-0.153	-0.147				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							573.8		579.8	580.3	575.1	592.0	606.8	
	COEFF.							-0.097		-0.089	-0.088	-0.095	-0.071	-0.050	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			497.6	526.4	574.2						572.0	561.4	557.1	
	COEFF.			-0.206	-0.165	-0.096						-0.100	-0.115	-0.121	
268.0	ORIFICE	216	217					218							
	PRESSURE	345.4	481.6					516.8							
	COEFF.	-0.423	-0.229					-0.178							
260.0	ORIFICE	207			208										209
	PRESSURE	406.8			517.9										523.1
	COEFF.	-0.335			-0.177										-0.169

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
8	17	P436-03	TF-556	1/29/81	29: 6:20:18	0	288	02-27-81	6/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.249	1661.1	641.9	701.3	3.314	119.5	579.2	29500.	657.0	1004.1	0.50	1.220	0.948

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			323.9			360.0	429.3		489.7		
	COEFFICIENT			-0.453			-0.402	-0.303		-0.217		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				315.4		365.4	541.9		601.8		
	COEFFICIENT				-0.466		-0.394	-0.143		-0.057		
	ORIFICE							276		277		
277.5	PRESSURE							624.5		591.5		
	COEFFICIENT							-0.025		-0.072		
	ORIFICE						271	272		273		274
276.0	PRESSURE						331.6	428.8		623.4		554.5
	COEFFICIENT						-0.442	-0.304		-0.026		-0.125
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						604.7			603.9		
	COEFFICIENT						-0.053			-0.054		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.031	0.079		0.0		0.123		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.0		0.030		0.025	0.0	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.035	0.026		0.052		0.036		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	9.9990

DATE 4-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
8	18	P436-03	TF-556	1/29/81	29:	6:	20:	36	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1668.0	644.2	704.3	3.326	119.7	579.4	29420.	659.4	1008.6	0.50	1.220	0.895

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	917.1	827.5	818.6	782.9	750.5	705.5									
	COEFF.	0.387	0.260	0.248	0.197	0.151	0.087									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1068.7	815.6	849.0	818.6	775.1	700.6									
	COEFF.	0.603	0.243	0.291	0.248	0.186	0.080									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							437.7	413.9	396.9	385.3	371.3	384.5			
	COEFF.							-0.293	-0.327	-0.351	-0.368	-0.387	-0.369			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											359.8	361.5	382.5		
	COEFF.											-0.404	-0.401	-0.372		
	ORIFICE	220	221	222												
278.0	PRESSURE	1101.2	779.9	804.4												
	COEFF.	0.649	0.193	0.227												
	ORIFICE				223	224	225									
277.0	PRESSURE				798.7	797.0	762.0									
	COEFF.				0.219	0.217	0.167									
	ORIFICE											*291*	*292*	*293*		
275.0	PRESSURE											384.7	388.1	395.8		
	COEFF.											-0.369	-0.364	-0.353		
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1109.7	793.2	819.8	790.4	801.0	765.4									
	COEFF.	0.661	0.212	0.249	0.208	0.223	0.172									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1124.5	757.4	778.6	776.0	786.3	762.3									
	COEFF.	0.682	0.161	0.191	0.187	0.202	0.168									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	18	P436-03	TF-556	1/29/81	29:	6:	20:	36	0.	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1668.0	644.2	704.3	3.326	119.7	579.4	29420.	659.4	1008.6	0.50	1.220	0.895

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN HOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	290.4			353.0										614.3
	COEFF.	-0.502			-0.414										-0.043
290.0	ORIFICE	232	233					234							
	PRESSURE	313.7	338.9					491.2							
	COEFF.	-0.469	-0.434					-0.217							
288.0	ORIFICE	253	254					255							
	PRESSURE	584.9	427.6					529.4							
	COEFF.	-0.084	-0.308					-0.163							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						537.9	532.5	532.3						
	COEFF.						-0.151	-0.159	-0.159						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		402.2					550.1	533.9	537.5	540.0				
	COEFF.		-0.344					-0.134	-0.157	-0.152	-0.148				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							576.4		582.8	582.5	577.1	594.2	607.9	
	COEFF.							-0.096		-0.087	-0.088	-0.095	-0.071	-0.052	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			499.1	528.3	577.1						574.4	564.2	558.2	
	COEFF.			-0.206	-0.165	-0.095						-0.099	-0.114	-0.122	
268.0	ORIFICE	216	217					218							
	PRESSURE	346.3	483.7					518.2							
	COEFF.	-0.423	-0.228					-0.179							
260.0	ORIFICE	207			208										209
	PRESSURE	407.9			519.6										524.2
	COEFF.	-0.336			-0.177										-0.170

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	18	P436-03	TF-556	1/29/81	29: 6:20:36	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1668.0	644.2	704.3	3.326	119.7	579.4	29420.	659.4	1008.6	0.50	1.220	0.895

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			324.8			360.7	431.0		491.3		
	COEFFICIENT			-0.454			0.403	-0.303		-0.217		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				316.5		366.8	544.3		604.1		
	COEFFICIENT				-0.465		-0.394	-0.142		-0.057		
	ORIFICE							276		277		
277.5	PRESSURE							626.9		593.7		
	COEFFICIENT							-0.025		-0.074		
	ORIFICE						271	272		273		274
276.0	PRESSURE						332.5	429.9		625.8		555.3
	COEFFICIENT						-0.443	-0.304		-0.026		-0.126

		2918	2928
	ORIFICE		
260.0	PRESSURE	0.0	0.0
	COEFFICIENT	9.999	9.999

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						607.0			606.3		
	COEFFICIENT						-0.053			-0.054		

KULITE RMS VALUES

287.0	ORIFICE				410	411			412			413
	VALUE				0.031	0.080			0.0			0.124
278.0	ORIFICE				405	406			407			408
	VALUE				0.0	0.0			0.030			0.025
273.0	ORIFICE				401	402			403			404
	VALUE				0.035	0.026			0.054			0.036

ACCELEROMETER RMS VALUES

1	2	3
8.6880	9.9990	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	19	P436-03	TF-556	1/29/81	29:	6:	21:	53	0	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.821	1228.5	789.4	372.1	2.308	101.9	561.6	24851.	800.8	427.7	0.50	1.188	0.982

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	869.0	855.7	842.0	824.1	779.6	730.5									
	COEFF.	0.214	0.178	0.141	0.093	-0.026	-0.158									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	950.4	868.2	861.0	836.7	803.4	710.1									
	COEFF.	0.432	0.212	0.192	0.127	0.038	-0.213									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							618.3	609.9	616.3	696.7	698.4	718.7			
	COEFF.							-0.460	-0.482	-0.465	-0.249	-0.245	-0.190			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												687.1	696.9	709.2	
	COEFF.												-0.275	-0.249	-0.216	
	ORIFICE	220	221	222												
278.0	PRESSURE	983.3	868.3	863.9												
	COEFF.	0.521	0.212	0.200												
	ORIFICE				223	224	225									
277.0	PRESSURE				845.6	812.0	730.0									
	COEFF.				0.151	0.061	-0.160									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												702.7	705.0	709.9	
	COEFF.												-0.233	-0.227	-0.214	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	993.0	867.3	871.2	851.9	826.7	741.3									
	COEFF.	0.547	0.209	0.220	0.168	0.100	-0.129									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1008.5	862.4	862.9	851.9	834.2	758.4									
	COEFF.	0.589	0.196	0.197	0.168	0.120	-0.083									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
8	19	P436-03	TF-556	1/29/81	29:	6:	21:	53	0.	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.821	1228.5	789.4	372.1	2.308	101.9	561.6	24851.	800.8	427.7	0.50	1.188	0.982

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0-0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	715.0			779.5										845.2
	COEFF.	-0.200			-0.027										0.150
290.0	ORIFICE	232	233					234							
	PRESSURE	669.8	754.2					787.0							
	COEFF.	-0.321	-0.095					-0.007							
288.0	ORIFICE	253	254					255							
	PRESSURE	586.6	761.9					792.2							
	COEFF.	-0.545	-0.074					0.008							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						793.4	792.1	792.6						
	COEFF.						0.011	0.007	0.009						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		758.9					801.7	792.6	795.2	799.1				
	COEFF.		-0.082					0.033	0.008	0.015	0.026				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							813.1		814.8	815.6	812.9	817.0	819.6	
	COEFF.							0.064		0.066	0.070	0.063	0.074	0.081	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			772.1	791.2	810.6						802.3	800.4	799.9	
	COEFF.			-0.047	0.005	0.057						0.035	0.029	0.028	
268.0	ORIFICE	216	217					218							
	PRESSURE	694.3	733.1					773.8							
	COEFF.	-0.256	-0.151					-0.042							
260.0	ORIFICE	207			208										209
	PRESSURE	683.9			739.0										749.5
	COEFF.	-0.284			-0.135										-0.107

DATE 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEL	CART	TRANSONIC 16T
8	19	P43G-03	TF-556	1/29/81	29: 6:21:53	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.821	1228.5	789.4	372.1	2.308	101.9	561.6	24851.	800.8	427.7	0.50	1.188	0.982

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			646.3			690.7	736.9		785.7		
	COEFFICIENT			-0.385			-0.265	-0.141		-0.019		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				636.0		796.9	846.5		807.3		
	COEFFICIENT				-0.412		0.020	0.153		0.048		
	ORIFICE							276		277		
277.5	PRESSURE							799.0		813.1		
	COEFFICIENT							0.026		0.064		
	ORIFICE						271	272		273		274
276.0	PRESSURE						674.5	769.3		796.8		800.3
	COEFFICIENT						-0.309	-0.054		0.020		0.029
	ORIFICE	291B	292B									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						750.9			751.2		
	COEFFICIENT						-0.104			-0.103		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.099	0.104			0.045			0.049	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.0			0.031			0.0	0.0
273.0	ORIFICE			401	402			403			404	
	VALUE			0.062	0.037			0.046			0.036	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	20	P436-03	TF-556	1/29/81	29:	6:	22:	11	0	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.821	1154.8	741.6	350.1	2.173	101.2	560.9	26276.	752.2	402.6	0.50	1.189	0.934

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	815.5	803.3	790.6	773.7	733.1	689.1									
	COEFF.	0.211	0.176	0.140	0.092	-0.024	-0.150									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	892.2	815.4	808.8	785.0	754.9	667.1									
	COEFF.	0.430	0.211	0.192	0.124	0.038	-0.213									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							584.6	574.8	577.9	654.3	656.9	675.3			
	COEFF.							-0.448	-0.476	-0.468	-0.249	-0.242	-0.189			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													646.3	654.6	666.0
	COEFF.													-0.272	-0.248	-0.216
	ORIFICE	220	221	222												
278.0	PRESSURE	923.4	816.6	812.0												
	COEFF.	0.519	0.214	0.201												
	ORIFICE				223	224	225									
277.0	PRESSURE				795.0	763.2	688.4									
	COEFF.				0.152	0.062	-0.152									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													662.2	664.4	668.9
	COEFF.													-0.227	-0.220	-0.208
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	933.3	816.3	819.3	801.6	777.4	698.6									
	COEFF.	0.548	0.213	0.222	0.171	0.102	-0.123									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	947.1	811.5	811.5	802.2	784.3	713.9									
	COEFF.	0.587	0.200	0.200	0.173	0.122	-0.079									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	20	P436-03	TF-556	1/29/81	29:	6:	22:	11	0.	288	02-27-81	6/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.821	1154.8	741.6	350.1	2.173	101.2	560.9	26276.	752.2	402.6	0.50	1.189	0.938

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	678.7			737.9										799.8
	COEFF.	-0.180			-0.010										0.166
290.0	ORIFICE	232	233					234							
	PRESSURE	632.1	709.8					740.5							
	COEFF.	-0.313	-0.091					-0.003							
288.0	ORIFICE	253	254					255							
	PRESSURE	590.5	717.0					745.3							
	COEFF.	-0.431	-0.070					0.011							
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					746.1	744.4	744.7							
	COEFF.					0.013	0.008	0.009							
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		715.2					755.3	745.9	747.6	752.0				
	COEFF.		-0.075					0.039	0.012	0.017	0.030				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							765.0		766.2	767.2	765.2	768.4	770.6	
	COEFF.							0.067		0.070	0.073	0.067	0.077	0.083	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			727.7	745.5	763.1						755.8	753.3	752.6	
	COEFF.			-0.040	0.011	0.062						0.038	0.033	0.032	
268.0	ORIFICE	216	217					218							
	PRESSURE	654.6	690.1					728.1							
	COEFF.	-0.248	-0.147					-0.039							
260.0	ORIFICE	207			208										209
	PRESSURE	643.1			695.5										708.6
	COEFF.	-0.281			-0.132										-0.094

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
8	20	P436-03	TF-556	1/29/81	29: 6:22:11	0	288	02-27-81	6/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.821	1154.8	741.6	350.1	2.173	101.2	560.9	26276.	752.2	402.6	0.50	1.189	0.936

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	DESIGN BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			611.1			653.7	695.7		739.9		
	COEFFICIENT			-0.373			-0.251	-0.131		-0.005		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				602.7		747.1	796.7		761.3		
	COEFFICIENT				-0.397		0.016	0.157		0.056		
	ORIFICE							276		277		
277.5	PRESSURE							748.1		766.8		
	COEFFICIENT							0.019		0.072		
	ORIFICE						271	272		273		274
276.0	PRESSURE						637.6	725.0		746.5		754.4
	COEFFICIENT						-0.297	-0.047		0.014		0.037
	ORIFICE	2918	2928									
260.0	PRESSURE	0.0	0.0									
	COEFFICIENT	9.999	9.999									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						707.3			708.5		
	COEFFICIENT						-0.098			-0.095		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.093	0.094			0.038		0.043		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.0			0.031		0.0	0.0	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.058	0.034			0.043		0.032		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEL	CART	TRANSONIC 16T
12	4	P436-03	TF-556	1/29/81	29:20:15:13	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.797	1394.8	918.1	407.8	2.547	107.9	567.6	21340.	931.1	463.7	0.50	1.167	0.234

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	991.2	803.8	852.7	889.1	864.7	828.9									
COEFF.	0.179	-0.280	-0.180	-0.071	-0.131	-0.219									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1088.8	758.7	855.3	893.0	884.9	812.4									
COEFF.	0.418	-0.391	-0.154	-0.062	-0.082	-0.259									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							720.4	718.7	726.4	816.4	819.8	839.5			
COEFF.							-0.485	-0.489	-0.470	-0.250	-0.241	-0.193			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											806.2	821.4	838.5		
COEFF.											-0.275	-0.237	-0.195		
ORIFICE	220	221	222												
278.0 PRESSURE	1100.9	772.9	858.5												
COEFF.	0.448	-0.356	-0.146												
ORIFICE				223	224	225									
277.0 PRESSURE				899.9	890.3	821.3									
COEFF.				-0.045	-0.068	-0.237									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												821.0	827.6	837.5	
COEFF.												-0.238	-0.222	-0.198	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1119.6	826.0	880.5	899.4	901.0	835.2									
COEFF.	0.494	-0.226	-0.092	-0.046	-0.042	-0.203									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1128.9	837.5	883.4	901.2	905.7	853.8									
COEFF.	0.517	-0.198	-0.085	-0.042	-0.030	-0.158									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEL	CART	TRANSONIC 16T
12	4	P436-03	TF-556	1/29/81	29:20:15:13	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10**3
0.797	1394.8	918.1	407.8	2.547	107.9	567.6	21340.	931.1	463.7	0.50	1.167	0.234

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
	ORIFICE	242			243										244
300.0	PRESSURE	839.9			907.4										963.1
	COEFF.	-0.192			-0.026										0.110
	ORIFICE	232	233					234							
290.0	PRESSURE	785.9	862.2					917.2							
	COEFF.	-0.324	-0.088					-0.002							
	ORIFICE	253	254					255							
288.0	PRESSURE	627.5	888.4					921.8							
	COEFF.	-0.713	-0.073					0.009							
	ORIFICE						*316*	*317*	*318*						
287.0	PRESSURE						928.9	925.7	926.6						
	COEFF.						0.026	0.019	0.021						
	ORIFICE			251				252	*319*	*320*	*321*				
285.0	PRESSURE			890.6				932.9	925.0	925.2	924.6				
	COEFF.			-0.067				0.036	0.017	0.017	0.016				
	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
282.0	PRESSURE							941.0		941.7	943.0	935.6	937.4	941.3	
	COEFF.							0.056		0.058	0.061	0.043	0.047	0.057	
	ORIFICE				*294*	*295*	*296*					*297*	*298*	*299*	
275.0	PRESSURE				926.7	938.2	949.3					925.9	921.8	921.2	
	COEFF.				0.021	0.049	0.076					0.019	0.009	0.007	
	ORIFICE	216	217					218							
268.0	PRESSURE	808.7	855.0					899.2							
	COEFF.	-0.268	-0.155					-0.046							
	ORIFICE	207			208										209
260.0	PRESSURE	815.1			871.3										864.4
	COEFF.	-0.253			-0.115										-0.132

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	4	P43G-03	TF-556	1/29/81	29:20:15:13	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.797	1394.8	918.1	407.8	2.547	107.9	567.6	21340.	931.1	463.7	0.50	1.167	0.234

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			779.9			814.8	863.5		899.8		
	COEFFICIENT			-0.339			-0.253	-0.134		-0.045		
	ORIFICE			278		279		280		281		
280.0	PRESSURE			774.2		888.2		956.0		918.7		
	COEFFICIENT			-0.353		-0.073		0.093		0.001		
	ORIFICE							276		277		
277.5	PRESSURE							932.5		927.9		
	COEFFICIENT							0.035		0.024		
	ORIFICE					271		272		273		274
276.0	PRESSURE					801.8		908.6		924.1		918.9
	COEFFICIENT					-0.285		-0.023		0.015		0.002
	ORIFICE	2918	2928									
260.0	PRESSURE	935.2	935.1									
	COEFFICIENT	0.042	0.042									

INSIDE PRESSURE ORIFICES

	ORIFICE					261				262		
276.0	PRESSURE					883.4				882.4		
	COEFFICIENT					-0.085				-0.068		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.116	0.083			0.074			0.043	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.0			0.037			0.025	0.024
273.0	ORIFICE			401	402			403			404	
	VALUE			0.096	0.064			0.048			0.041	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
12	5	P43G-03	TF-556	1/29/81	29:20:16:19	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.799	1519.2	997.6	445.8	2.720	117.4	577.1	19366.	1011.9	507.3	0.50	1.174	0.228

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1078.5	872.7	925.9	965.9	939.5	903.0									
	COEFF.	0.181	-0.280	-0.161	-0.071	-0.130	-0.212									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1188.4	822.9	923.3	971.0	962.8	881.8									
	COEFF.	0.428	-0.392	-0.167	-0.060	-0.078	-0.260									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							784.8	782.4	791.9	886.3	890.2	911.7			
	COEFF.							-0.477	-0.483	-0.462	-0.250	-0.241	-0.193			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											874.7	891.4	910.7		
	COEFF.											-0.276	-0.238	-0.195		
	ORIFICE	220	221	222												
278.0	PRESSURE	1201.2	830.1	934.5												
	COEFF.	0.457	-0.376	-0.142												
	ORIFICE				223	224	225									
277.0	PRESSURE				979.9	968.8	895.0									
	COEFF.				-0.040	-0.065	-0.230									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													893.1	900.1	911.2
	COEFF.													-0.234	-0.219	-0.194
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1222.8	898.6	958.2	979.7	981.4	909.6									
	COEFF.	0.505	-0.222	-0.089	-0.040	-0.037	-0.198									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1233.1	911.7	961.4	981.3	985.7	929.6									
	COEFF.	0.528	-0.193	-0.081	-0.037	-0.027	-0.153									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	5	P436-03	TF-556	1/29/81	29:20:16:19	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.799	1519.2	997.6	445.8	2.720	117.4	577.1	19366.	1011.9	507.3	0.50	1.174	0.228

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
300.0	ORIFICE	242			243										244
	PRESSURE	914.8			990.8										1053.0
	COEFF.	-0.186			-0.015										0.124
290.0	ORIFICE	232	233					234							
	PRESSURE	853.9	958.5					997.9							
	COEFF.	-0.322	-0.088					0.001							
288.0	ORIFICE	253	254					255							
	PRESSURE	661.6	966.3					1004.3							
	COEFF.	-0.754	-0.070					0.015							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1010.4	1007.1	1008.5						
	COEFF.						0.029	0.021	0.024						
285.0	ORIFICE			251				252	*319*	*320*	*321*				
	PRESSURE			970.1				1016.3	1006.9	1008.0	1008.2				
	COEFF.			-0.062				0.042	0.021	0.023	0.024				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1025.1		1026.3	1027.3	1019.2	1022.9	1025.5	
	COEFF.							0.062		0.064	0.067	0.048	0.057	0.063	
275.0	ORIFICE				*294*	*295*	*296*					*297*	*298*	*299*	
	PRESSURE				1012.7	1025.1	1034.3					1008.0	1003.9	1003.7	
	COEFF.				0.034	0.062	0.082					0.023	0.014	0.014	
268.0	ORIFICE	216	217					218							
	PRESSURE	878.6	930.2					978.2							
	COEFF.	-0.267	-0.151					-0.044							
260.0	ORIFICE	207			208										209
	PRESSURE	884.2			946.9										941.1
	COEFF.	-0.255			-0.114										-0.127

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CARI	TRANSONIC 16T
12	5	P436-03	TF-556	1/29/81	29:20:16:19	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.799	1519.2	997.6	445.8	2.720	117.4	577.1	19366.	1011.9	507.3	0.50	1.174	0.228

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			843.1			885.8	939.9		980.8		
	COEFFICIENT			-0.347			-0.251	-0.130		-0.038		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				836.3		969.0	1046.7		1002.5		
	COEFFICIENT				-0.362		-0.064	0.110		0.011		
	ORIFICE							276		277		
277.5	PRESSURE							1012.3		1014.3		
	COEFFICIENT							0.033		0.037		
	ORIFICE						271	272		273		274
276.0	PRESSURE						870.8	989.5		1003.4		1002.0
	COEFFICIENT						-0.285	-0.018		0.013		0.010
	ORIFICE	2918	2928									
260.0	PRESSURE	1012.3	1011.8									
	COEFFICIENT	0.033	0.032									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						962.2			961.9		
	COEFFICIENT						-0.080			-0.089		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.129	0.090			0.082		0.050		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.0			0.037		0.028	0.025	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.103	0.073			0.054		0.045		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	6	P436-03	TF-556	1/29/81	29:20:16:53	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1507.4	988.5	443.3	2.696	118.3	578.0	19587.	1002.6	504.8	0.50	1.176	0.259

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1068.9	865.1	917.8	957.4	931.5	895.1									
COEFF.	0.182	-0.278	-0.159	-0.070	-0.128	-0.211									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1177.8	815.6	913.4	962.4	954.3	873.8									
COEFF.	0.427	-0.390	-0.169	-0.059	-0.077	-0.259									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							777.0	773.9	783.4	877.9	882.2	903.4			
COEFF.							-0.477	-0.484	-0.462	-0.249	-0.240	-0.192			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											866.9	883.8	903.1		
COEFF.											-0.274	-0.236	-0.193		
ORIFICE	220	221	222												
278.0 PRESSURE	1190.4	822.1	925.8												
COEFF.	0.456	-0.375	-0.141												
ORIFICE				223	224	225									
277.0 PRESSURE				970.9	960.1	886.8									
COEFF.				-0.040	-0.064	-0.229									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											884.6	891.4	902.5		
COEFF.											-0.234	-0.219	-0.194		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1211.9	890.1	949.6	970.8	972.5	901.4									
COEFF.	0.504	-0.222	-0.088	-0.040	-0.036	-0.196									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1222.1	903.1	952.5	972.5	976.9	921.3									
COEFF.	0.527	-0.193	-0.081	-0.036	-0.026	-0.152									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	6	P436-03	TF-556	1/29/81	29:20:16:53	0	272	02-27-81	10/ 7	3 1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1507.4	988.5	443.3	2.696	118.3	578.0	19587.	1002.6	504.8	0.50	1.176	0.259

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	906.9			982.4										1044.6
	COEFF.	-0.184			-0.014										0.127
290.0	ORIFICE	232	233					234							
	PRESSURE	845.6	950.6					989.1							
	COEFF.	-0.322	-0.085					0.001							
288.0	ORIFICE	253	254					255							
	PRESSURE	676.8	958.2					995.8							
	COEFF.	-0.703	-0.068					0.017							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1001.5	998.3	998.9						
	COEFF.						0.029	0.022	0.024						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		962.7					1008.0	997.6	998.5	998.9				
	COEFF.		-0.058					0.044	0.021	0.023	0.024				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1016.0		1018.6	1018.7	1010.4	1014.1	1017.1	
	COEFF.							0.062		0.068	0.068	0.049	0.058	0.065	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1002.0	1014.4	1024.8						998.3	994.1	994.0	
	COEFF.			0.030	0.059	0.082						0.022	0.013	0.012	
268.0	ORIFICE	216	217					218							
	PRESSURE	870.1	921.4					969.3							
	COEFF.	-0.267	-0.151					-0.043							
260.0	ORIFICE	207			208										209
	PRESSURE	875.9			938.3										932.8
	COEFF.	-0.254			-0.113										-0.126

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	6	P436-03	TF-556	1/29/81	29:20:16:53	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1507.4	988.5	443.3	2.696	118.3	578.0	19587.	1002.6	504.8	0.50	1.176	0.259

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
282.0	ORIFICE			282			283	284		285		
	PRESSURE			836.6			875.8	930.5		972.0		
	COEFFICIENT			-0.342			-0.254	-0.131		-0.037		
280.0	ORIFICE			278			279	280		281		
	PRESSURE			830.1			959.2	1034.8		992.7		
	COEFFICIENT			-0.357			-0.066	0.105		0.019		
277.5	ORIFICE							276		277		
	PRESSURE							1001.7		1004.2		
	COEFFICIENT							0.030		0.039		
276.0	ORIFICE						271	272		273		274
	PRESSURE						863.0	981.1		993.5		993.0
	COEFFICIENT						-0.283	-0.017		0.011		0.010
260.0	ORIFICE	2918	2928									
	PRESSURE	1002.5	1002.3									
	COEFFICIENT	0.032	0.031									

INSIDE PRESSURE ORIFICES

276.0	ORIFICE						261			262		
	PRESSURE						953.6			953.4		
	COEFFICIENT						-0.079			-0.079		

KULITE RMS VALUES

287.0	ORIFICE				410	411			412		413	
	VALUE				0.127	0.090			0.083		0.049	
278.0	ORIFICE				405	406			407		408	409
	VALUE				0.0	0.0			0.037		0.027	0.025
273.0	ORIFICE				401	402			403		404	
	VALUE				0.101	0.073			0.054		0.045	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
12	7	P43G-03	TF-556	1/29/81	29:20:18:26	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.896	1507.5	895.3	503.0	2.861	114.0	573.7	21932.	909.7	597.8	0.50	1.189	0.461

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	999.0	766.6	802.4	866.4	834.9	798.2									
	COEFF.	0.206	-0.256	-0.185	-0.058	-0.120	-0.193									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1131.0	715.4	760.7	865.6	868.1	778.9									
	COEFF.	0.468	-0.358	-0.268	-0.059	-0.054	-0.231									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							631.1	629.0	641.5	729.4	732.3	751.4			
	COEFF.							-0.525	-0.530	-0.505	-0.330	-0.324	-0.286			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												719.0	730.8	746.7	
	COEFF.												-0.351	-0.327	-0.295	
	ORIFICE	220	221	222												
278.0	PRESSURE	1148.0	635.6	785.8												
	COEFF.	0.502	-0.516	-0.218												
	ORIFICE				223	224	225									
277.0	PRESSURE				883.4	872.9	790.4									
	COEFF.				-0.024	-0.045	-0.209									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												749.9	759.8	775.8	
	COEFF.												-0.289	-0.269	-0.238	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1170.9	692.8	844.2	879.7	884.4	810.2									
	COEFF.	0.548	-0.403	-0.102	-0.031	-0.022	-0.169									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1181.3	773.4	857.2	879.1	886.9	834.5									
	COEFF.	0.569	-0.242	-0.076	-0.022	-0.017	-0.121									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOEF	SEI	CART	TRANSONIC 16T
12	7	P436-03	TF-556	1/29/81	29:20:18:26	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.896	1507.5	895.3	503.0	2.861	114.0	573.7	21932.	909.7	597.8	0.50	1.189	0.461

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	738.8			890.3										948.5
	COEFF.	-0.311			-0.010										0.106
290.0	ORIFICE	232	233					234							
	PRESSURE	686.6	825.4					898.8							
	COEFF.	-0.415	-0.139					0.007							
288.0	ORIFICE	253	254					255							
	PRESSURE	693.6	830.2					904.5							
	COEFF.	-0.401	-0.129					0.018							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						904.3	909.7	915.9						
	COEFF.						0.018	0.029	0.041						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		806.6					940.9	922.0	921.6	922.2				
	COEFF.		-0.176					0.091	0.053	0.052	0.053				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							935.2		938.2	940.1	934.3	938.7	937.9	
	COEFF.							0.079		0.085	0.089	0.078	0.086	0.085	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			911.1	927.4	937.2						907.8	902.5	902.4	
	COEFF.			0.031	0.064	0.083						0.025	0.014	0.014	
268.0	ORIFICE	216	217					218							
	PRESSURE	727.3	796.9					865.4							
	COEFF.	-0.334	-0.196					-0.059							
260.0	ORIFICE	207			208										209
	PRESSURE	724.5			832.6										827.8
	COEFF.	-0.340			-0.125										-0.134

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	7	P436-03	TF-556	1/29/81	29:20:18:26	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.896	1507.5	895.3	503.0	2.861	114.0	573.7	21932.	909.7	597.8	0.50	1.189	0.461

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			681.4			701.2	760.9		879.5		
	COEFFICIENT			-0.425			-0.386	-0.267		-0.036		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			670.0			859.9	938.4		888.9		
	COEFFICIENT			-0.448			-0.070	0.086		-0.013		
	ORIFICE							276		277		
277.5	PRESSURE							902.4		906.5		
	COEFFICIENT							0.014		0.022		
	ORIFICE						271	272		273		274
276.0	PRESSURE						711.8	862.6		900.5		901.1
	COEFFICIENT						-0.365	-0.065		0.010		0.012
	ORIFICE	2918	2928									
260.0	PRESSURE	911.6	910.9									
	COEFFICIENT	0.032	0.031									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						848.7			848.2		
	COEFFICIENT						-0.093			-0.094		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.221	0.207		0.136		0.092		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.0		0.036		0.031	0.023	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.108	0.070		0.058		0.052		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	8	P436-03	TF-556	1/29/81	29:20:18:39	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1524.2	901.0	511.1	2.893	114.8	574.5	21782.	915.6	608.6	0.50	1.186	0.510

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 POOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1005.2	770.5	805.9	871.6	839.8	802.9									
	COEFF.	0.204	-0.256	-0.186	-0.058	-0.120	-0.192									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1139.0	720.0	765.1	870.5	873.8	783.7									
	COEFF.	0.466	-0.354	-0.266	-0.060	-0.053	-0.230									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							634.4	631.8	645.0	733.5	737.1	756.7			
	COEFF.							-0.522	-0.527	-0.501	-0.328	-0.321	-0.282			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												722.7	735.4	750.5	
	COEFF.												-0.349	-0.324	-0.295	
	ORIFICE	220	221	222												
278.0	PRESSURE	1155.9	640.8	791.4												
	COEFF.	0.499	-0.509	-0.214												
	ORIFICE				223	224	225									
277.0	PRESSURE				888.5	878.1	795.1									
	COEFF.				-0.024	-0.045	-0.207									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												754.4	764.3	780.6	
	COEFF.												-0.287	-0.268	-0.236	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1178.9	699.0	850.0	885.3	890.1	815.1									
	COEFF.	0.544	-0.395	-0.100	-0.031	-0.021	-0.168									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1189.2	780.4	862.4	884.4	892.5	839.4									
	COEFF.	0.564	-0.236	-0.076	-0.033	-0.017	-0.121									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	8	P43G-03	TF-556	1/29/81	29:20:18:39	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1524.2	901.0	511.1	2.893	114.8	574.5	21782.	915.6	608.6	0.50	1.186	0.510

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	744.9			895.6										952.6
	COEFF.	-0.306			-0.011										0.101
290.0	ORIFICE	232	233					234							
	PRESSURE	691.9	830.3					904.3							
	COEFF.	-0.409	-0.138					0.006							
288.0	ORIFICE	253	254					255							
	PRESSURE	694.0	835.0					910.4							
	COEFF.	-0.405	-0.129					0.018							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						909.7	916.5	922.5						
	COEFF.						0.017	0.030	0.042						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		812.2					947.0	928.4	928.6	928.5				
	COEFF.		-0.174					0.090	0.053	0.054	0.054				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							941.3		943.2	947.1	941.5	944.6	944.2	
	COEFF.							0.079		0.082	0.090	0.079	0.085	0.084	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			918.3	933.8	943.6						913.0	907.6	907.4	
	COEFF.			0.034	0.064	0.083						0.023	0.013	0.012	
268.0	ORIFICE	216	217					218							
	PRESSURE	732.6	801.3					870.8							
	COEFF.	-0.330	-0.195					-0.059							
260.0	ORIFICE	207			208										209
	PRESSURE	729.6			837.9										832.8
	COEFF.	-0.335			-0.124										-0.133

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	8	P43G-03	TF-556	1/29/81	29:20:18:39	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1524.2	901.0	511.1	2.893	114.8	574.5	21782.	915.6	608.6	0.50	1.186	0.510

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			688.2			702.3	766.5		884.7		
	COEFFICIENT			-0.417			-0.389	-0.263		-0.032		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				678.1		867.3	942.0		893.2		
	COEFFICIENT				-0.436		-0.066	0.080		-0.019		
	ORIFICE							276		277		
277.5	PRESSURE							908.3		911.3		
	COEFFICIENT							0.014		0.029		
	ORIFICE						271	272		273		274
276.0	PRESSURE						718.1	869.6		906.6		906.4
	COEFFICIENT						-0.358	-0.061		0.011		0.010

	ORIFICE	2918	2928
260.0	PRESSURE	916.7	916.6
	COEFFICIENT	0.031	0.030

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	853.6	852.9
	COEFFICIENT	-0.093	-0.094

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.216	0.201	0.132	0.086		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.0	0.0	0.036	0.030	0.023	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.105	0.067	0.056	0.050		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
12	9	P436-03	TF-556	1/29/81	29:20:20:57	0	272	02-27-81	10/ 7	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.101	1528.9	714.8	607.0	3.068	114.0	573.7	27106.	729.2	799.7	0.50	1.204	0.632

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	889.2	512.9	502.5	661.3	731.1	679.3									
	COEFF.	0.287	-0.333	-0.350	-0.088	0.027	-0.058									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1058.5	428.6	565.8	707.2	735.0	658.5									
	COEFF.	0.566	-0.471	-0.245	-0.012	0.033	-0.093									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							431.3	404.9	402.8	434.6	429.4	464.0			
	COEFF.							-0.467	-0.511	-0.514	-0.462	-0.470	-0.413			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												426.7	433.5	449.2	
	COEFF.												-0.475	-0.463	-0.438	
	ORIFICE	220	221	222												
278.0	PRESSURE	1077.6	327.5	630.5												
	COEFF.	0.598	-0.638	-0.139												
	ORIFICE				223	224	225									
277.0	PRESSURE				704.3	705.0	695.3									
	COEFF.				-0.017	-0.016	-0.032									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												474.4	484.4	500.3	
	COEFF.												-0.396	-0.380	-0.353	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1096.3	472.7	621.6	714.7	702.5	711.5									
	COEFF.	0.628	-0.399	-0.154	-0.000	-0.020	-0.005									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1106.7	486.6	685.0	722.8	723.9	712.2									
	COEFF.	0.646	-0.376	-0.049	0.013	0.015	-0.004									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	9	P436-03	TF-556	1/29/81	29:20:20:57	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.101	1528.9	714.8	607.0	3.068	114.0	573.7	27106.	729.2	799.7	0.50	1.204	0.635

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	304.7			616.0										739.8
	COEFF.	-0.676			-0.163										0.041
290.0	ORIFICE	232	233					234							
	PRESSURE	373.4	458.4					679.9							
	COEFF.	-0.562	-0.422					-0.057							
288.0	ORIFICE	253	254					255							
	PRESSURE	655.0	497.9					665.2							
	COEFF.	-0.098	-0.357					-0.082							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						652.2	663.2	666.8						
	COEFF.						-0.103	-0.085	-0.079						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		530.6					657.9	672.1	675.9	680.1				
	COEFF.		-0.303					-0.094	-0.070	-0.064	-0.057				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							666.4		669.7	675.1	702.0	713.8	730.3	
	COEFF.							-0.080		-0.074	-0.065	-0.021	-0.002	0.026	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			643.9	661.8	676.2						679.0	677.8	684.8	
	COEFF.			-0.117	-0.087	-0.064						-0.059	-0.061	-0.049	
268.0	ORIFICE	216	217					218							
	PRESSURE	424.7	574.8					630.6							
	COEFF.	-0.478	-0.231					-0.139							
260.0	ORIFICE	207			208										209
	PRESSURE	499.9			602.1										608.1
	COEFF.	-0.354			-0.186										-0.176

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	9	P436-03	TF-556	1/29/81	29:20:20:57	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.101	1528.9	714.8	607.0	3.068	114.0	573.7	27106.	729.2	799.7	0.50	1.204	0.635

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			390.8			399.2	444.7		579.6		
	COEFFICIENT			-0.534			-0.520	-0.445		-0.223		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				387.7		540.7	713.9		640.4		
	COEFFICIENT				-0.539		-0.287	-0.001		-0.123		
	ORIFICE							276		277		
277.5	PRESSURE							711.6		663.3		
	COEFFICIENT							-0.005		-0.065		
	ORIFICE						271	272		273		274
276.0	PRESSURE						419.7	555.2		694.0		688.2
	COEFFICIENT						-0.486	-0.263		-0.034		-0.044

	ORIFICE	291B	292B
260.0	PRESSURE	729.2	729.1
	COEFFICIENT	0.024	0.024

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						670.2			670.2		
	COEFFICIENT						-0.074			-0.073		

KULITE RMS VALUES

287.0	ORIFICE				410	411			412			413
	VALUE				0.048	0.059			0.159			0.107
278.0	ORIFICE				405	406			407		408	409
	VALUE				0.0	0.0			0.036		0.042	0.023
273.0	ORIFICE				401	402			403		404	
	VALUE				0.089	0.058			0.072		0.054	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
12	10	P436-03	TF-556	1/29/81	29:20:21:17	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.098	1515.4	711.3	600.5	3.039	114.2	573.9	27215.	725.6	789.8	0.50	1.204	0.641

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	883.2	510.6	500.5	659.7	727.3	676.2									
	COEFF.	-0.286	-0.334	-0.351	-0.086	0.027	-0.058									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1051.8	426.3	563.5	701.5	733.3	654.6									
	COEFF.	-0.567	-0.475	-0.246	-0.016	0.037	-0.094									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							429.6	403.0	401.0	432.3	426.9	462.1			
	COEFF.							-0.469	-0.513	-0.517	-0.465	-0.474	-0.415			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												424.6	431.8	447.8	
	COEFF.												-0.477	-0.465	-0.439	
	ORIFICE	220	221	222												
278.0	PRESSURE	1070.7	315.3	627.7												
	COEFF.	0.598	-0.659	-0.139												
	ORIFICE				223	224	225									
277.0	PRESSURE				700.7	701.8	692.5									
	COEFF.				-0.018	-0.016	-0.031									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												472.5	482.6	498.3	
	COEFF.												-0.398	-0.381	-0.355	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1089.8	470.8	619.8	710.7	698.8	708.4									
	COEFF.	-0.630	-0.401	-0.152	-0.001	-0.021	-0.005									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1100.3	485.2	682.8	719.1	719.8	708.9									
	COEFF.	0.648	-0.377	-0.047	0.013	0.014	-0.004									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	10	P43G-03	TF-556	1/29/81	29:20:21:17	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.098	1515.4	711.3	600.5	3.039	114.2	573.9	27215.	725.6	789.8	0.50	1.204	0.641

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	301.9			613.3										736.5
	COEFF.	-0.582			-0.163										0.042
290.0	ORIFICE	232	233					234							
	PRESSURE	372.1	456.8					677.4							
	COEFF.	-0.565	-0.424					-0.056							
288.0	ORIFICE	253	254					255							
	PRESSURE	645.9	493.8					663.2							
	COEFF.	-0.109	-0.362					-0.080							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						650.5	661.5	665.6						
	COEFF.						-0.101	-0.083	-0.076						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		528.6					655.6	670.4	673.3	678.1				
	COEFF.		-0.304					-0.093	-0.068	-0.063	-0.055				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							664.3		667.4	672.2	699.2	713.9	726.7	
	COEFF.							-0.078		-0.073	-0.065	-0.020	0.004	0.026	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			641.2	659.2	673.3						676.4	676.4	682.9	
	COEFF.			-0.117	-0.087	-0.063						-0.057	-0.058	-0.047	
268.0	ORIFICE	216	217					218							
	PRESSURE	423.1	572.4					627.7							
	COEFF.	-0.480	-0.231					-0.139							
260.0	ORIFICE	207			208										209
	PRESSURE	497.8			599.2										605.5
	COEFF.	-0.356			-0.187										-0.176

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	10	P436-03	TF-556	1/29/81	29:20:21:17	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	R	PC	DP	WA	TPR	SHX10+3
1.098	1515.4	711.3	600.5	3.039	114.2	573.9	27215.	725.6	789.8	0.50	1.204	0.641

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			389.4			397.4	443.2		578.3		
	COEFFICIENT			-0.536			-0.523	-0.446		-0.222		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				386.4		539.0	711.0		638.2		
	COEFFICIENT				-0.541		-0.287	-0.000		-0.122		
	ORIFICE							276		277		
277.5	PRESSURE							707.9		660.1		
	COEFFICIENT							-0.006		-0.084		
	ORIFICE						271	272		273		274
276.0	PRESSURE						418.0	553.4		690.7		685.7
	COEFFICIENT						-0.488	-0.263		-0.034		-0.043

	ORIFICE	291B	292B
260.0	PRESSURE	725.5	725.3
	COEFFICIENT	0.024	0.023

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	667.4	667.1
	COEFFICIENT	-0.073	-0.074

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.049	0.059		0.159		0.106	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.0	0.0		0.036		0.042	0.023
273.0	ORIFICE	401	402		403		404	
	VALUE	0.089	0.057		0.071		0.054	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	8.8880

DATE. 2-27-81 PROJECT NO. P436-03.
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	11	P436-03	TF-556	1/29/81	29:20:24:32	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1518.7	586.6	641.2	3.058	115.5	575.2	31467.	600.4	918.3	0.50	1.244	0.605

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	829.0	197.2	284.8	616.9	610.5	611.8									
	COEFF.	0.378	-0.607	-0.471	0.047	0.037	0.039									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	979.3	233.5	334.4	601.7	610.5	592.0									
	COEFF.	0.612	-0.551	-0.393	0.024	0.037	0.008									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							375.5	356.8	343.2	333.5	322.3	336.9			
	COEFF.							-0.329	-0.358	-0.380	-0.395	-0.412	-0.389			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													315.8	318.7	333.8
	COEFF.													-0.422	-0.418	-0.394
	ORIFICE	220	221	222												
278.0	PRESSURE	991.9	239.7	331.3												
	COEFF.	0.632	-0.541	-0.398												
	ORIFICE				223	224	225									
277.0	PRESSURE				607.0	600.4	604.9									
	COEFF.				0.032	0.021	0.028									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													346.4	350.4	357.9
	COEFF.													-0.375	-0.368	-0.357
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1004.3	259.6	483.7	589.1	600.4	598.8									
	COEFF.	0.651	-0.510	-0.161	0.004	0.021	0.019									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1014.9	274.7	505.8	578.9	598.3	588.3									
	COEFF.	0.668	-0.487	-0.126	-0.012	0.018	0.003									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CARI	TRANSONIC 16T
12	11	P43G-03	TF-556	1/29/81		29	20	24	32	0	272	02-27-81	10/ 7	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1518.7	586.6	641.2	3.058	115.5	575.2	31467.	600.4	918.3	0.50	1.244	0.605

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	265.2			345.5										561.7
	COEFF.	-0.501			-0.376										-0.039
290.0	ORIFICE	232	233					234							
	PRESSURE	264.8	299.4					455.4							
	COEFF.	-0.502	-0.448					-0.205							
288.0	ORIFICE	253	254					255							
	PRESSURE	550.8	372.5					472.7							
	COEFF.	-0.056	-0.334					-0.178							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						475.8	479.2	487.1						
	COEFF.						-0.173	-0.168	-0.155						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		346.6					511.1	496.1	497.4	501.2				
	COEFF.		-0.374					-0.118	-0.141	-0.139	-0.133				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							531.9		538.1	538.3	529.1	542.3	556.9	
	COEFF.							-0.085		-0.076	-0.075	-0.090	-0.069	-0.046	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			450.9	468.9	504.9						519.6	514.6	512.9	
	COEFF.			-0.212	-0.184	-0.127						-0.105	-0.112	-0.115	
268.0	ORIFICE	216	217					218							
	PRESSURE	298.5	420.3					485.0							
	COEFF.	-0.449	-0.259					-0.158							
260.0	ORIFICE	207			208										209
	PRESSURE	369.2			457.4										473.4
	COEFF.	-0.339			-0.202										-0.177

DATE, 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	11	P436-03	TF-556	1/29/81	29:20:24:32	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	1518.7	586.6	641.2	3.058	115.5	575.2	31467.	600.4	918.3	0.50	1.244	0.605

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			292.1			332.4	385.3		444.2		
	COEFFICIENT			-0.459			-0.396	-0.314		-0.222		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			289.6			335.0	488.5		531.7		
	COEFFICIENT			-0.463			-0.392	-0.153		-0.066		
	ORIFICE							276		277		
277.5	PRESSURE							574.3		538.3		
	COEFFICIENT							-0.019		-0.075		
	ORIFICE						271	272		273		274
276.0	PRESSURE						315.2	419.9		569.2		512.1
	COEFFICIENT						-0.423	-0.260		-0.027		-0.116
	ORIFICE	2918	2928									
260.0	PRESSURE	600.8	600.7									
	COEFFICIENT	0.022	0.022									

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	563.0	562.8
	COEFFICIENT	-0.037	-0.037

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.022	0.044	0.056	0.111		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.0	0.0	0.036	0.035	0.023	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.057	0.039	0.047	0.048		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	8.0880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
12	12	P436-03	TF-556	1/29/81	29:20:24:56	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.251	1519.8	586.0	641.9	3.061	115.3	575.0	31489.	599.8	920.0	0.50	1.245	0.604

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	828.6	196.7	286.9	616.2	609.9	611.4									
COEFF.	0.378	-0.606	-0.466	0.047	0.037	0.040									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	978.4	233.8	335.7	601.6	610.1	592.1									
COEFF.	0.611	-0.549	-0.390	0.024	0.037	0.009									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							375.3	356.6	342.6	332.7	321.7	335.9			
COEFF.							-0.328	-0.357	-0.379	-0.395	-0.412	-0.390			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											315.9	320.1	333.6		
COEFF.											-0.421	-0.414	-0.393		
ORIFICE	220	221	222												
278.0 PRESSURE	991.1	239.7	331.6												
COEFF.	0.631	-0.540	-0.396												
ORIFICE				223	224	225									
277.0 PRESSURE				606.5	599.8	604.4									
COEFF.				0.032	0.021	0.029									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											345.8	349.6	357.1		
COEFF.											-0.374	-0.368	-0.357		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1003.7	259.5	483.7	589.2	600.0	598.7									
COEFF.	0.651	-0.509	-0.159	0.005	0.022	0.020									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1014.3	274.1	504.9	578.5	598.0	588.2									
COEFF.	0.667	-0.486	-0.126	-0.012	0.019	0.003									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	12	P436-03	TF-556	1/29/81	29:20:24:56	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.251	1519.8	586.0	641.9	3.061	115.3	575.0	31489.	599.8	920.0	0.50	1.245	0.604

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	264.1			343.6										560.5
	COEFF.	-0.501			-0.378										-0.040
290.0	ORIFICE	232	233					234							
	PRESSURE	263.8	298.9					454.4							
	COEFF.	-0.502	-0.447					-0.205							
288.0	ORIFICE	253	254					255							
	PRESSURE	540.5	371.7					472.5							
	COEFF.	-0.071	-0.334					-0.177							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						476.1	479.2	486.9						
	COEFF.						-0.171	-0.166	-0.154						
285.0	ORIFICE				251			252	*319*	*320*	*321*				
	PRESSURE				345.8			510.7	495.5	497.2	498.5				
	COEFF.				-0.374			-0.117	-0.141	-0.138	-0.136				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							532.0		536.6	537.9	528.7	541.9	555.8	
	COEFF.							-0.084		-0.077	-0.075	-0.089	-0.069	-0.047	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			450.1	468.3	503.9						519.2	514.6	512.1	
	COEFF.			-0.212	-0.183	-0.128						-0.104	-0.111	-0.115	
268.0	ORIFICE	216	217					218							
	PRESSURE	297.5	419.7					485.0							
	COEFF.	-0.449	-0.259					-0.157							
260.0	ORIFICE	207			208										209
	PRESSURE	368.5			457.1										472.5
	COEFF.	-0.339			-0.201										-0.177

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	12	P436-03	TF-556	1/29/81	29:20:24:56	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.251	1519.8	586.0	641.9	3.061	115.3	575.0	31489.	599.8	920.0	-0.50	1.245	0.604

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			291.6			332.2	384.9		443.2		
	COEFFICIENT			-0.459			-0.395	-0.313		-0.222		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			289.2			333.8	487.8		531.5		
	COEFFICIENT			-0.462			-0.393	-0.153		-0.085		
	ORIFICE							276		277		
277.5	PRESSURE							573.7		537.8		
	COEFFICIENT							-0.019		-0.075		
	ORIFICE						271	272		273		274
276.0	PRESSURE						314.5	419.9		568.8		511.4
	COEFFICIENT						-0.423	-0.259		-0.027		-0.116

	ORIFICE	291B	292B
260.0	PRESSURE	600.0	599.8
	COEFFICIENT	0.022	0.021

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	562.9	562.5
	COEFFICIENT	-0.036	-0.037

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413	
	VALUE	0.0	0.041	0.056	0.113	
278.0	ORIFICE	405	406	407	408	409
	VALUE	0.0	0.0	0.036	0.035	0.022
273.0	ORIFICE	401	402	403	404	
	VALUE	0.057	0.038	0.047	0.047	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	9.9990	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
12	13	P43G-03	TF-556	1/29/81	29:20:29:28	0	272	02-27-81	10/ 7	3	1.	TRANSONIC 16T

M	PT	P	Q	REx10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.403	1516.9	474.8	654.0	3.006	115.7	575.4	35967.	487.7	1029.2	0.50	1.311	0.542

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	738.5	186.5	245.5	443.9	507.1	501.2									
COEFF.	0.403	-0.441	-0.351	-0.047	0.049	0.040									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	892.7	214.1	280.7	470.4	487.2	486.3									
COEFF.	0.639	-0.399	-0.297	-0.007	0.019	0.018									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							322.9	308.1	295.8	285.3	275.6	290.0			
COEFF.							-0.232	-0.255	-0.274	-0.290	-0.305	-0.283			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													265.5	267.9	277.9
COEFF.													-0.320	-0.316	-0.301
ORIFICE	220	221	222												
278.0 PRESSURE	906.7	223.1	293.0												
COEFF.	0.660	-0.385	-0.278												
ORIFICE				223	224	225									
277.0 PRESSURE				480.0	476.7	483.9									
COEFF.				0.008	0.003	0.014									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													272.4	273.9	278.2
COEFF.													-0.310	-0.307	-0.301
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	911.1	232.5	296.4	479.2	475.7	477.0									
COEFF.	0.667	-0.371	-0.273	0.007	0.001	0.003									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	923.9	238.7	295.3	474.5	472.1	469.0									
COEFF.	0.687	-0.361	-0.274	-0.001	-0.004	-0.009									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	13	P436-03	TF-556	1/29/81	29:	20:	29:	28	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.403	1516.9	474.8	654.0	3.006	115.7	575.4	35967.	487.7	1029.2	0.50	1.311	0.542

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	238.2			265.2										435.1
	COEFF.	-0.362			-0.320										-0.061
290.0	ORIFICE	232	233					234							
	PRESSURE	232.9	247.9					321.8							
	COEFF.	-0.370	-0.347					-0.234							
288.0	ORIFICE	253	254					255							
	PRESSURE	442.1	300.5					351.6							
	COEFF.	-0.050	-0.267					-0.188							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						351.4	356.1	363.6						
	COEFF.						-0.189	-0.182	-0.170						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		281.7					374.9	371.7	370.4	370.7				
	COEFF.		-0.295					-0.153	-0.158	-0.160	-0.159				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							401.3		403.6	404.1	383.8	382.6	373.3	
	COEFF.							-0.112		-0.109	-0.108	-0.139	-0.141	-0.155	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			340.9	353.9	384.8						385.3	376.5	373.5	
	COEFF.			-0.205	-0.185	-0.138						-0.137	-0.150	-0.155	
268.0	ORIFICE	216	217					218							
	PRESSURE	238.0	332.4					381.9							
	COEFF.	-0.362	-0.218					-0.142							
260.0	ORIFICE	207			208										209
	PRESSURE	265.9			374.1										348.0
	COEFF.	-0.319			-0.154										-0.194

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	13	P436-03	TF-556	1/29/81	29:20:29:28	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.403	1516.9	474.8	654.0	3.006	115.7	575.4	35967.	487.7	1029.2	0.50	1.311	0.542

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			236.0			265.2	324.0		344.5		
	COEFFICIENT			-0.365			-0.320	-0.231		-0.199		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			228.6			295.4	383.1		408.5		
	COEFFICIENT			-0.377			-0.274	-0.140		-0.101		
	ORIFICE							276		277		
277.5	PRESSURE							464.5		426.4		
	COEFFICIENT							-0.016		-0.074		
	ORIFICE						271	272		273		274
276.0	PRESSURE						258.1	367.5		453.0		367.2
	COEFFICIENT						-0.331	-0.164		-0.033		-0.165
	ORIFICE	2918	2928									
260.0	PRESSURE	486.8	486.6									
	COEFFICIENT	0.018	0.018									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						461.9			461.7		
	COEFFICIENT						-0.020			-0.020		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.0	0.0			0.041		0.057		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.0			0.036		0.026	0.023	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.052	0.032			0.034		0.037		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	14	P436-03	TF-556	1/29/81	29:20:29:47	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.401	1516.3	475.8	653.7	3.006	115.6	575.3	35921.	488.7	1027.6	0.50	1.311	0.542

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	739.0	186.9	245.9	445.2	506.5	502.2									
COEFF.	0.403	-0.442	-0.352	-0.047	0.047	0.040									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	893.2	214.2	281.0	470.9	488.3	488.0									
COEFF.	0.638	-0.400	-0.298	-0.007	0.019	0.019									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							323.9	308.4	295.9	286.7	276.8	291.2			
COEFF.							-0.232	-0.256	-0.275	-0.289	-0.304	-0.282			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													266.5	270.4	278.9
COEFF.													-0.320	-0.314	-0.301
ORIFICE	220	221	222												
278.0 PRESSURE	907.4	223.8	293.7												
COEFF.	0.660	-0.386	-0.279												
ORIFICE				223	224	225									
277.0 PRESSURE				480.8	477.5	485.2									
COEFF.				0.008	0.003	0.014									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													273.3	275.5	279.6
COEFF.													-0.310	-0.306	-0.300
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	912.1	233.5	297.7	480.1	477.3	479.0									
COEFF.	0.667	-0.371	-0.272	0.007	0.002	0.005									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	925.3	239.2	295.5	475.3	472.8	470.1									
COEFF.	0.687	-0.362	-0.276	-0.001	-0.005	-0.009									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	14	P436-03	TF-556	1/29/81	29:20:29:47	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.401	1516.3	475.8	653.7	3.006	115.6	575.3	35921.	488.7	1027.6	0.50	1.311	0.542

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	238.8			265.8										435.6
	COEFF.	-0.363			-0.321										-0.062
290.0	ORIFICE	232	233					234							
	PRESSURE	233.7	249.0					322.7							
	COEFF.	-0.370	-0.347					-0.234							
288.0	ORIFICE	253	254					255							
	PRESSURE	437.0	301.2					352.6							
	COEFF.	-0.059	-0.267					-0.188							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						352.6	356.7	364.4						
	COEFF.						-0.188	-0.182	-0.170						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		282.0					376.2	373.1	371.2	372.1				
	COEFF.		-0.297					-0.152	-0.157	-0.160	-0.159				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							402.3		405.0	404.9	384.3	383.0	373.9	
	COEFF.							-0.112		-0.108	-0.109	-0.140	-0.142	-0.156	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			342.6	355.6	384.9						386.5	377.1	377.3	
	COEFF.			-0.204	-0.184	-0.139						-0.137	-0.151	-0.151	
268.0	ORIFICE	216	217					218							
	PRESSURE	239.6	333.7					382.8							
	COEFF.	-0.361	-0.217					-0.142							
260.0	ORIFICE	207			208										209
	PRESSURE	266.9			375.2										348.9
	COEFF.	-0.320			-0.154										-0.194

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	14	P436-03	TF-556	1/29/81	29:20:29:47	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.401	1516.3	475.8	653.7	3.006	115.6	575.3	35921.	488.7	1027.6	0.50	1.311	0.542

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			237.2			266.7	324.7		345.2		
	COEFFICIENT			-0.365			-0.320	-0.231		-0.200		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				229.7		296.6	383.9		408.9		
	COEFFICIENT				-0.376		-0.274	-0.141		-0.102		
	ORIFICE							276		277		
277.5	PRESSURE							465.6		427.4		
	COEFFICIENT							-0.016		-0.074		
	ORIFICE						271	272		273		274
276.0	PRESSURE						258.9	368.8		453.7		367.8
	COEFFICIENT						-0.332	-0.164		-0.034		-0.165
	ORIFICE	2918	2928									
260.0	PRESSURE	488.3	487.6									
	COEFFICIENT	0.019	0.018									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						462.5			462.2		
	COEFFICIENT						-0.020			-0.021		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.0	0.0			0.041			0.056	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.0			0.036			0.025	0.022
273.0	ORIFICE			401	402			403			404	
	VALUE			0.051	0.032			0.034			0.036	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	17	P436-03	TF-556	1/29/81	29:20:31:53	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.891	1079.5	644.8	358.0	2.058	111.1	570.8	29401.	654.8	424.7	0.50	1.224	0.644

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	712.4	554.7	590.4	624.6	602.4	575.7									
	COEFF.	0.189	-0.252	-0.152	-0.056	-0.118	-0.193									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	802.3	509.8	566.8	623.9	623.9	560.3									
	COEFF.	0.440	-0.377	-0.218	-0.058	-0.058	-0.236									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							463.2	461.5	470.4	541.1	540.4	555.2			
	COEFF.							-0.507	-0.512	-0.487	-0.289	-0.291	-0.250			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												532.2	543.4	554.8	
	COEFF.												-0.314	-0.283	-0.251	
	ORIFICE	220	221	222												
278.0	PRESSURE	814.5	465.2	573.9												
	COEFF.	0.474	-0.502	-0.198												
	ORIFICE				223	224	225									
277.0	PRESSURE				633.3	629.0	572.1									
	COEFF.				-0.032	-0.044	-0.203									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												544.8	550.4	559.2	
	COEFF.												-0.279	-0.263	-0.239	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	834.3	487.4	610.9	631.7	636.9	585.9									
	COEFF.	0.530	-0.440	-0.095	-0.037	-0.022	-0.165									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	846.1	535.5	612.5	631.0	639.2	604.3									
	COEFF.	0.562	-0.305	-0.090	-0.039	-0.016	-0.113									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	17	P436-03	TF-556	1/29/81	29	20	31	53	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.891	1079.5	644.8	358.0	2.058	111.1	570.8	29401.	654.8	424.7	0.50	1.224	0.644

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	519.1			638.3										686.4
	COEFF.	-0.351			-0.016										0.116
290.0	ORIFICE	232	233					234							
	PRESSURE	498.2	602.1					649.8							
	COEFF.	-0.410	-0.119					0.014							
288.0	ORIFICE	253	254					255							
	PRESSURE	427.1	606.5					652.4							
	COEFF.	-0.608	-0.107					0.021							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						652.8	654.8	656.7						
	COEFF.						0.023	0.028	0.033						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		596.3					666.3	658.5	659.1	661.0				
	COEFF.		-0.135					0.060	0.038	0.040	0.045				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							672.3		674.6	676.1	669.1	673.6	674.9	
	COEFF.							0.077		0.083	0.087	0.068	0.081	0.084	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			638.1	650.1	665.9						659.5	656.1	655.9	
	COEFF.			-0.019	0.015	0.059						0.041	0.032	0.031	
268.0	ORIFICE	216	217					218							
	PRESSURE	525.1	580.3					627.2							
	COEFF.	-0.334	-0.180					-0.049							
260.0	ORIFICE	207			208										209
	PRESSURE	526.4			602.9										604.5
	COEFF.	-0.331			-0.117										-0.112

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
12	17	P43G-03	TF-556	1/29/81	29:	20:	31:	53	0	272	02-27-81	10/ 7	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.891	1079.5	644.8	358.0	2.058	111.1	570.8	29401.	654.8	424.7	0.50	1.224	0.644

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 ROOST	0.0	4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			508.3			511.3	555.4		635.2		
	COEFFICIENT			-0.381			-0.373	-0.250		-0.027		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				504.4		596.3	657.3		641.9		
	COEFFICIENT				-0.392		-0.135	0.035		-0.008		
	ORIFICE							276		277		
277.5	PRESSURE							650.1		646.0		
	COEFFICIENT							0.015		0.004		
	ORIFICE						271	272		273		274
276.0	PRESSURE						514.7	620.8		648.5		654.6
	COEFFICIENT						-0.363	-0.067		0.010		0.027

	ORIFICE	291B	292B
260.0	PRESSURE	653.4	652.9
	COEFFICIENT	0.024	0.023

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	612.1	611.3
	COEFFICIENT	-0.091	-0.093

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.164	0.145	0.103	0.063		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.0	0.0	0.036	0.023	0.023	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.094	0.052	0.044	0.037		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	4	P436-03	TF-556	1/30/81	30:	6:	13:	31	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.797	810.6	533.2	237.3	1.501	102.0	561.7	33517.	540.4	270.2	0.50	1.166	0.811

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	622.6	544.2	551.5	559.5	551.9	526.6									
	COEFF.	0.377	0.047	0.077	0.111	0.079	-0.028									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	662.6	545.2	555.9	558.9	562.5	553.8									
	COEFF.	0.545	0.051	0.096	0.108	0.124	0.087									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							510.3	511.3	489.4	482.2	479.5	481.7			
	COEFF.							-0.096	-0.092	-0.185	-0.215	-0.226	-0.217			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												476.5	475.5	474.1	
	COEFF.												-0.239	-0.243	-0.249	
	ORIFICE	220	221	222												
278.0	PRESSURE	671.1	538.2	551.4												
	COEFF.	0.581	0.021	0.077												
	ORIFICE				223	224	225									
277.0	PRESSURE				557.6	561.4	590.6									
	COEFF.				0.103	0.119	0.242									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												496.3	495.3	493.5	
	COEFF.												-0.155	-0.159	-0.167	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	673.1	538.5	554.9	556.3	560.2	596.5									
	COEFF.	0.590	0.022	0.092	0.097	0.114	0.267									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	677.1	536.8	550.8	556.0	557.7	594.7									
	COEFF.	0.607	0.015	0.074	0.096	0.103	0.259									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	4	P436-03	TF-556	1/30/81	30:	6:	13:	31	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.797	810.6	533.2	237.3	1.501	102.0	561.7	33517.	540.4	270.2	0.50	1.166	0.811

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	493.5			499.4										510.8
	COEFF.	-0.167			-0.142										-0.094
290.0	ORIFICE	232	233					234							
	PRESSURE	477.8	482.3					490.2							
	COEFF.	-0.233	-0.215					-0.181							
288.0	ORIFICE	253	254					255							
	PRESSURE	508.0	481.7					490.3							
	COEFF.	-0.106	-0.217					-0.181							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						489.8	489.5	489.2						
	COEFF.						-0.183	-0.184	-0.185						
285.0	ORIFICE			251				252	*319*	*320*	*321*				
	PRESSURE			478.8				490.1	488.2	488.6	488.1				
	COEFF.			-0.229				-0.182	-0.189	-0.188	-0.190				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							484.5		484.8	485.0	484.4	483.8	483.0	
	COEFF.							-0.205		-0.204	-0.203	-0.205	-0.208	-0.211	
275.0	ORIFICE				*294*	*295*	*296*					*297*	*298*	*299*	
	PRESSURE				491.7	495.9	506.2					494.1	490.8	489.1	
	COEFF.				-0.175	-0.157	-0.114					-0.165	-0.179	-0.186	
268.0	ORIFICE	216	217					218							
	PRESSURE	586.0	550.0					528.8							
	COEFF.	0.223	0.071					-0.018							
260.0	ORIFICE	207			208										209
	PRESSURE	604.6			558.1										482.3
	COEFF.	0.301			0.105										-0.214

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOEF	SEI	CART	TRANSONIC 16T
15	4	P43G-03	TF-556	1/30/81	30:	6:	13:	31	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.797	810.6	533.2	237.3	1.501	102.0	561.7	33517.	540.4	270.2	0.50	1.166	0.811

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			481.9			474.5	479.4		483.5		
	COEFFICIENT			-0.216			-0.247	-0.227		-0.210		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				481.0		474.3	477.9		484.9		
	COEFFICIENT				-0.220		-0.248	-0.233		-0.203		
	ORIFICE							276		277		
277.5	PRESSURE							529.7		487.2		
	COEFFICIENT							-0.015		-0.194		
	ORIFICE						271	272		273		274
276.0	PRESSURE						474.3	448.8		513.8		488.2
	COEFFICIENT						-0.248	-0.356		-0.082		-0.190
	ORIFICE	291B	292B									
260.0	PRESSURE	541.2	541.3									
	COEFFICIENT	0.034	0.034									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						474.6			487.3		
	COEFFICIENT						-0.247			-0.193		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.069	0.064			0.076			0.071	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.043			0.058			0.115	0.053
273.0	ORIFICE			401	402			403			404	
	VALUE			0.049	0.0			0.0			0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	5	P436-03	TF-556	1/30/81	30	6	16	58	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1198.5	786.5	352.1	2.154	115.8	575.5	24936.	797.5	401.0	0.50	1.186	0.614

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	918.4	803.2	813.0	824.5	813.8	775.2									
COEFF.	0.375	0.047	0.075	0.108	0.077	-0.032									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	977.4	803.4	819.7	823.9	829.1	816.8									
COEFF.	0.542	0.048	0.094	0.106	0.121	0.086									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							754.8	758.7	728.3	711.8	709.1	710.9			
COEFF.							-0.090	-0.079	-0.165	-0.212	-0.220	-0.215			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													703.9	703.0	701.2
COEFF.													-0.235	-0.237	-0.242
ORIFICE	220	221	222												
278.0 PRESSURE	990.3	792.3	812.4												
COEFF.	0.579	0.017	0.074												
ORIFICE				223	224	225									
277.0 PRESSURE				821.7	826.4	870.4									
COEFF.				0.100	0.113	0.238									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													732.1	730.0	727.5
COEFF.													-0.154	-0.160	-0.168
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	992.8	792.6	817.2	819.0	824.5	878.9									
COEFF.	0.586	0.017	0.087	0.092	0.108	0.263									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	999.2	789.5	810.4	817.9	821.5	875.9									
COEFF.	0.604	0.009	0.068	0.089	0.099	0.254									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	5	P436-03	TF-556	1/30/81	30: 6:16:58	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1198.5	786.5	352.1	2.154	115.8	575.5	24936.	797.5	401.0	0.50	1.186	0.614

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	726.0			732.5										747.4
	COEFF.	-0.172			-0.153										-0.111
290.0	ORIFICE	232	233					234							
	PRESSURE	703.6	710.4					721.3							
	COEFF.	-0.235	-0.216					-0.185							
288.0	ORIFICE	253	254					255							
	PRESSURE	566.4	710.2					722.4							
	COEFF.	-0.625	-0.217					-0.182							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						722.4	722.4	722.0						
	COEFF.						-0.182	-0.182	-0.183						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		705.9					721.6	719.6	720.1	719.2				
	COEFF.		-0.229					-0.184	-0.190	-0.189	-0.191				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							709.2		715.1	715.2	714.5	714.3	711.9	
	COEFF.							-0.220		-0.203	-0.203	-0.204	-0.205	-0.212	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			724.9	730.7	746.7						729.0	723.4	724.3	
	COEFF.			-0.175	-0.159	-0.113						-0.163	-0.179	-0.177	
268.0	ORIFICE	216	217					218							
	PRESSURE	863.3	810.7					779.0							
	COEFF.	0.218	0.069					-0.021							
260.0	ORIFICE	207			208										209
	PRESSURE	891.0			822.5										708.8
	COEFF.	0.297			0.102										-0.221

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD. DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	5	P43G-03	TF-556	1/30/81	30: 6:16:58	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1198.5	786.5	352.1	2.154	115.8	575.5	24936	797.5	401.0	0.50	1.186	0.614

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			710.1			698.5	705.9		712.3		
	COEFFICIENT			-0.217			-0.250	-0.229		-0.211		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				708.7		698.9	704.2		713.8		
	COEFFICIENT				-0.221		-0.249	-0.234		-0.206		
	ORIFICE							276		277		
277.5	PRESSURE							776.5		721.2		
	COEFFICIENT							-0.028		-0.169		
	ORIFICE						271	272		273		274
276.0	PRESSURE						698.1	659.1		752.5		718.5
	COEFFICIENT						-0.251	-0.362		-0.096		-0.193
	ORIFICE	291B	292B									
260.0	PRESSURE	799.1	799.2									
	COEFFICIENT	0.036	0.036									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						698.8			717.6		
	COEFFICIENT						-0.249			-0.196		

KULITE RMS VALUES

287.0	ORIFICE				410	411		412		413		
	VALUE				0.105	0.103		0.110		0.107		
278.0	ORIFICE				405	406		407		408	409	
	VALUE				0.0	0.071		0.074		0.158	0.075	
273.0	ORIFICE				401	402		403		404		
	VALUE				0.054	0.025		0.0		0.023		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	6	P43G-03	TF-556	1/30/81	30: 6:17:35	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.808	1193.5	776.8	354.9	2.158	115.4	575.1	25219.	787.8	405.7	0.50	1.205	0.652

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	910.0	794.3	804.2	816.0	806.3	770.5									
	COEFF.	0.375	0.049	0.077	0.110	0.083	-0.018									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	970.9	795.8	812.0	815.7	821.7	808.9									
	COEFF.	0.547	0.053	0.099	0.109	0.126	0.090									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							747.7	751.6	718.8	701.9	699.9	701.8			
	COEFF.							-0.082	-0.071	-0.163	-0.211	-0.217	-0.211			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											695.0	694.3	693.0		
	COEFF.											-0.230	-0.232	-0.236		
	ORIFICE	220	221	222												
278.0	PRESSURE	983.6	785.8	805.4												
	COEFF.	0.582	0.025	0.080												
	ORIFICE				223	224	225									
277.0	PRESSURE				814.9	819.2	865.5									
	COEFF.				0.107	0.120	0.250									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													725.0	722.8	720.6
	COEFF.													-0.146	-0.152	-0.158
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	987.3	786.4	810.7	812.5	817.4	873.0									
	COEFF.	0.593	0.027	0.096	0.101	0.114	0.271									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	993.2	783.0	803.3	811.3	813.7	869.4									
	COEFF.	0.610	0.017	0.075	0.097	0.104	0.261									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	6	P436-03	TF-556	1/30/81	30	6	17	35	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.808	1193.5	776.8	354.9	2.158	115.4	575.1	25219.	787.8	405.7	0.50	1.205	0.656

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	720.8			729.7										745.6
	COEFF.	-0.158			-0.133										-0.088
290.0	ORIFICE	232	233					234							
	PRESSURE	695.8	703.2					714.7							
	COEFF.	-0.228	-0.207					-0.175							
288.0	ORIFICE	253	254					255							
	PRESSURE	578.5	702.6					716.0							
	COEFF.	-0.559	-0.209					-0.171							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						714.0	714.2	713.2						
	COEFF.						-0.177	-0.176	-0.179						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		698.9					716.0	711.2	712.3	713.1				
	COEFF.		-0.220					-0.171	-0.185	-0.182	-0.179				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							708.1		708.5	708.3	707.8	706.8	705.5	
	COEFF.							-0.194		-0.193	-0.193	-0.194	-0.197	-0.201	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			718.3	724.6	740.0						722.7	717.4	717.8	
	COEFF.			-0.165	-0.147	-0.104						-0.152	-0.168	-0.166	
268.0	ORIFICE	216	217					218							
	PRESSURE	856.3	803.6					772.1							
	COEFF.	0.224	0.075					-0.013							
260.0	ORIFICE	207			208										209
	PRESSURE	883.0			814.8										704.9
	COEFF.	0.299			0.107										-0.203

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	6	P43G-03	TF-556	1/30/81	30:	6:	17:	35	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.808	1193.5	776.8	354.9	2.158	115.4	575.1	25219.	787.8	405.7	0.50	1.205	0.652

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			702.3			691.7	700.8		707.1		
	COEFFICIENT			-0.210			-0.240	-0.214		-0.197		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				701.2		692.5	698.0		708.9		
	COEFFICIENT				-0.213		-0.238	-0.222		-0.191		
	ORIFICE							276		277		
277.5	PRESSURE							765.4		716.3		
	COEFFICIENT							-0.032		-0.171		
	ORIFICE						271	272		273		274
276.0	PRESSURE						692.0	653.0		743.0		713.6
	COEFFICIENT						-0.239	-0.349		-0.095		-0.178
	ORIFICE	2918	2928									
260.0	PRESSURE	784.9	784.8									
	COEFFICIENT	0.023	0.023									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						692.0			712.1		
	COEFFICIENT						-0.239			-0.182		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.107	0.106		0.110		0.106		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.071		0.074		0.155	0.072	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.054	0.025		0.0		0.023		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	7	P436-03	TF-556	1/30/81	30: 6:18: 2	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.831	1171.8	745.3	360.0	2.145	115.9	575.6	26163.	756.1	415.7	0.50	1.217	0.664

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	880.4	764.0	774.0	786.2	776.9	743.7									
	COEFF.	0.375	0.052	0.080	0.114	0.088	-0.004									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	942.7	766.2	782.4	785.9	793.0	781.0									
	COEFF.	0.548	0.058	0.103	0.113	0.133	0.099									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							718.2	721.6	687.4	670.6	669.5	670.8			
	COEFF.							-0.075	-0.066	-0.161	-0.207	-0.211	-0.207			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												664.0	663.3	662.0	
	COEFF.												-0.226	-0.228	-0.231	
	ORIFICE	220	221	222												
278.0	PRESSURE	955.3	756.7	775.7												
	COEFF.	0.583	0.032	0.084												
	ORIFICE				223	224	225									
277.0	PRESSURE				785.7	789.9	839.0									
	COEFF.				0.112	0.124	0.260									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												695.1	692.9	690.5	
	COEFF.												-0.139	-0.146	-0.152	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	959.1	757.7	781.8	783.5	788.1	845.6									
	COEFF.	0.594	0.034	0.101	0.106	0.119	0.279									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	964.9	753.7	774.0	782.2	784.6	841.3									
	COEFF.	0.610	0.023	0.080	0.102	0.109	0.267									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	7	P436-03	TF-556	1/30/81	30	6	18	2	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.831	1171.8	745.3	360.0	2.145	115.9	575.6	26163.	756.1	415.7	0.50	1.217	0.664

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	693.2			703.4										720.1
	COEFF.	-0.145			-0.116										-0.070
290.0	ORIFICE	232	233					234							
	PRESSURE	665.5	673.9					685.4							
	COEFF.	-0.227	-0.198					-0.166							
288.0	ORIFICE	253	254					255							
	PRESSURE	504.6	673.0					687.3							
	COEFF.	-0.446	-0.201					-0.161							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						683.8	684.5	683.2						
	COEFF.						-0.171	-0.169	-0.172						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		669.6					688.0	681.7	682.6	683.8				
	COEFF.		-0.210					-0.159	-0.177	-0.174	-0.171				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							678.6		678.9	679.0	678.3	677.2	676.6	
	COEFF.							-0.185		-0.184	-0.184	-0.186	-0.189	-0.191	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			688.9	695.4	710.2						693.2	688.5	685.0	
	COEFF.			-0.157	-0.139	-0.097						-0.145	-0.158	-0.167	
268.0	ORIFICE	216	217					218							
	PRESSURE	828.7	774.7					742.9							
	COEFF.	0.232	0.082					-0.007							
260.0	ORIFICE	207			208										209
	PRESSURE	854.6			785.8										676.2
	COEFF.	0.304			0.112										-0.192

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI PROD	DATE	WINDOFF	SET	CART	
15	7	P436-03	TF-556	1/30/81	30:	6:	18:	2	0	288	02-27-81	14/	2	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.831	1171.8	745.3	360.0	2.145	115.9	575.6	26163.	756.1	415.7	0.50	1.217	0.664

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
282.0	ORIFICE			282			283	284		285		
	PRESSURE			672.5			662.8	673.1		678.0		
	COEFFICIENT			-0.202			-0.229	-0.200		-0.187		
280.0	ORIFICE			278			279	280		281		
	PRESSURE			671.5			663.2	669.4		680.4		
	COEFFICIENT			-0.205			-0.228	-0.211		-0.180		
277.5	ORIFICE							276		277		
	PRESSURE							732.7		687.4		
	COEFFICIENT							-0.035		-0.161		
276.0	ORIFICE						271	272		273		274
	PRESSURE						663.8	624.3		711.6		685.6
	COEFFICIENT						-0.226	-0.336		-0.093		-0.166
260.0	ORIFICE	291B	292B									
	PRESSURE	750.3	749.7									
	COEFFICIENT	0.014	0.012									

INSIDE PRESSURE ORIFICES

276.0	ORIFICE						261			262		
	PRESSURE						662.2			683.3		
	COEFFICIENT						-0.231			-0.172		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.105	0.103		0.109		0.106		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.072		0.075		0.152	0.072	
273.0	ORIEICE	401	402		403		404		
	VALUE	0.053	0.025		0.0		0.022		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	8	P436-03	TF-556	1/30/81	30: 6:18:48	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.878	1138.0	688.9	371.8	2.134	115.9	575.6	27932.	699.5	438.5	0.50	1.199	0.723

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	834.5	711.1	721.8	736.6	727.7	691.9									
	COEFF.	0.391	0.060	0.088	0.128	0.104	0.008									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	899.0	710.1	728.2	733.4	743.2	737.0									
	COEFF.	0.565	0.057	0.106	0.120	0.146	0.129									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							658.6	662.8	628.0	608.4	605.9	608.4			
	COEFF.							-0.082	-0.070	-0.164	-0.217	-0.224	-0.217			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											599.6	598.9	597.6		
	COEFF.											-0.240	-0.242	-0.246		
	ORIFICE	220	221	222												
278.0	PRESSURE	912.7	698.1	719.5												
	COEFF.	0.602	0.025	0.082												
	ORIFICE				223	224	225									
277.0	PRESSURE				730.5	737.4	794.2									
	COEFF.				0.112	0.130	0.283									
	ORIFICE											*291*	*292*	*293*		
275.0	PRESSURE											632.2	629.8	627.4		
	COEFF.											-0.153	-0.159	-0.165		
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	916.2	699.2	725.8	727.4	733.7	801.7									
	COEFF.	0.611	0.028	0.099	0.103	0.120	0.303									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	923.6	694.5	717.9	725.9	729.5	796.8									
	COEFF.	0.631	0.015	0.078	0.099	0.109	0.290									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	8	P436-03	TF-556	1/30/81	30:	6:	18:	48	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.878	1138.0	680.9	371.8	2.134	115.9	575.6	27932.	699.5	438.5	0.50	1.199	0.723

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
300.0	ORIFICE	242			243										244
	PRESSURE	627.8			640.9										657.8
	COEFF.	-0.164			-0.129										-0.084
290.0	ORIFICE	232	233					234							
	PRESSURE	596.8	609.9					624.8							
	COEFF.	-0.248	-0.212					-0.172							
288.0	ORIFICE	253	254					255							
	PRESSURE	594.4	608.6					626.0							
	COEFF.	-0.254	-0.216					-0.169							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						624.6	624.8	624.2						
	COEFF.						-0.173	-0.172	-0.174						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		603.2					626.5	622.5	623.2	622.9				
	COEFF.		-0.231					-0.168	-0.179	-0.177	-0.178				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							617.9		618.0	618.5	617.2	616.7	613.9	
	COEFF.							-0.191		-0.191	-0.189	-0.193	-0.194	-0.202	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			625.5	631.9	649.1						629.2	623.6	621.3	
	COEFF.			-0.171	-0.153	-0.107						-0.161	-0.176	-0.182	
268.0	ORIFICE	216	217					218							
	PRESSURE	786.4	722.2					686.5							
	COEFF.	0.262	0.089					-0.006							
260.0	ORIFICE	207			208										209
	PRESSURE	815.5			737.1										610.1
	COEFF.	0.340			0.130										-0.212

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	8	P436-03	TF-556	1/30/81	30: 6:18:48	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.878	1138.0	688.9	371.8	2.134	115.9	575.6	27932.	699.5	438.5	0.50	1.199	0.723

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			606.6			596.1	604.5		614.3		
	COEFFICIENT			-0.221			-0.250	-0.227		-0.201		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			605.0			595.8	601.4		616.6		
	COEFFICIENT			-0.226			-0.250	-0.235		-0.194		
	ORIFICE							276		277		
277.5	PRESSURE							677.6		615.2		
	COEFFICIENT							-0.030		-0.198		
	ORIFICE						271	272		273		274
276.0	PRESSURE						596.0	546.3		654.7		619.5
	COEFFICIENT						-0.250	-0.384		-0.092		-0.187

	ORIFICE	291B	292B
260.0	PRESSURE	701.9	702.2
	COEFFICIENT	0.035	0.036

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	594.1	616.3
	COEFFICIENT	-0.255	-0.195

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413	
	VALUE	0.113	0.113	0.113	0.111	
278.0	ORIFICE	405	406	407	408	409
	VALUE	0.0	0.078	0.081	0.163	0.079
273.0	ORIFICE	401	402	403	404	
	VALUE	0.053	0.022	0.0	0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	9	P436-03	TF-556	1/30/81	30:	6:	19:	28	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.899	1112.4	658.4	372.5	2.109	115.1	574.8	28938.	668.8	443.6	0.50	1.195	0.826

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	P36	237	238	239	240	241									
300.0 PRESSURE	803.9	681.7	692.2	707.5	699.7	665.5									
COEFF.	0.390	0.063	0.091	0.132	0.111	0.019									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	868.2	680.9	699.2	704.4	715.0	710.1									
COEFF.	0.563	0.060	0.109	0.123	0.152	0.139									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							630.7	635.0	599.6	579.6	577.8	580.5			
COEFF.							-0.074	-0.063	-0.158	-0.212	-0.216	-0.209			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											571.7	571.2	569.3		
COEFF.											-0.233	-0.234	-0.239		
ORIFICE	220	221	222												
278.0 PRESSURE	881.6	669.4	690.4												
COEFF.	0.599	0.029	0.086												
ORIFICE				223	224	225									
277.0 PRESSURE				701.1	708.6	766.4									
COEFF.				0.115	0.135	0.290									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												604.6	602.2	599.7	
COEFF.												-0.145	-0.151	-0.158	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	885.4	670.5	696.9	698.3	704.7	773.1									
COEFF.	0.609	0.032	0.103	0.107	0.124	0.308									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	892.3	665.5	688.4	696.4	700.1	767.4									
COEFF.	0.628	0.019	0.080	0.102	0.112	0.292									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOEE	SET	CART	TRANSONIC 16T
15	9	P436-03	TF-556	1/30/81	30:	6:	19:	28	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.899	1112.4	658.4	372.5	2.109	115.1	574.8	28938.	668.8	443.6	0.50	1.195	0.826

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV														
ORIFICE	242			243										244
300.0 PRESSURE	599.9			612.9										629.1
COEFF.	-0.157			-0.122										-0.079
ORIFICE	232	233					234							
290.0 PRESSURE	568.9	582.0					597.7							
COEFF.	-0.240	-0.205					-0.163							
ORIFICE	253	254					255							
288.0 PRESSURE	591.4	580.9					599.7							
COEFF.	-0.180	-0.208					-0.158							
ORIFICE						*316*	*317*	*318*						
287.0 PRESSURE						598.1	598.9	598.3						
COEFF.						-0.162	-0.160	-0.162						
ORIFICE		251					252	*319*	*320*	*321*				
285.0 PRESSURE		575.7					599.8	596.1	596.6	596.9				
COEFF.		-0.222					-0.158	-0.167	-0.166	-0.165				
ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
282.0 PRESSURE							590.4		590.8	591.5	591.0	589.9	588.2	
COEFF.							-0.183		-0.182	-0.180	-0.181	-0.184	-0.189	
ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
275.0 PRESSURE			597.7	604.2	621.6						602.0	596.2	593.4	
COEFF.			-0.163	-0.146	-0.099						-0.152	-0.167	-0.175	
ORIFICE	216	217					218							
268.0 PRESSURE	758.9	694.1					658.5							
COEFF.	0.270	0.096					0.000							
ORIFICE	207			208										209
260.0 PRESSURE	786.6			709.4										582.1
COEFF.	0.344			0.134										-0.205

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	9	P43G-03	TF-556	1/30/81	30: 6:19:28	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.899	1112.4	658.4	372.5	2.109	115.1	574.8	28938.	668.8	443.6	0.50	1.195	0.82

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			577.6			568.7	577.0		586.4		
	COEFFICIENT			-0.217			-0.241	-0.219		-0.194		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			576.5			568.5	573.8		588.4		
	COEFFICIENT			-0.220			-0.241	-0.227		-0.188		
	ORIFICE							276		277		
277.5	PRESSURE							647.2		583.5		
	COEFFICIENT							-0.030		-0.201		
	ORIFICE						271	272		273		274
276.0	PRESSURE						567.8	517.6		625.6		591.2
	COEFFICIENT						-0.243	-0.378		-0.088		-0.180
	ORIFICE	291B	292B									
260.0	PRESSURE	667.1	667.7									
	COEFFICIENT	0.023	0.025									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						567.2			588.5		
	COEFFICIENT						-0.245			-0.188		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.108	0.110			0.114			0.111	
276.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.073			0.078			0.160	0.076
273.0	ORIFICE			401	402			403			404	
	VALUE			0.052	0.0			0.0			0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	10	P43G-03	TF-556	1/30/81	30: 6:19:50	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.901	1105.4	653.2	370.8	2.098	115.0	574.7	29114.	663.5	441.9	0.50	1.196	0.926

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	797.7	676.4	687.1	701.9	695.1	660.0									
COEFF.	0.390	0.062	0.091	0.131	0.113	0.018									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	861.6	675.5	693.7	699.3	709.2	704.5									
COEFF.	0.562	0.060	0.109	0.124	0.151	0.138									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							625.4	629.9	594.5	575.0	573.0	575.8			
COEFF.							-0.075	-0.063	-0.158	-0.211	-0.216	-0.209			
ORIFICE												*301*	*302*	*303*	
282.0 PRESSURE												566.8	566.4	564.8	
COEFF.												-0.233	-0.234	-0.238	
ORIFICE	220	221	222												
278.0 PRESSURE	875.0	663.9	684.9												
COEFF.	0.598	0.029	0.086												
ORIFICE				223	224	225									
277.0 PRESSURE				695.6	703.2	760.4									
COEFF.				0.114	0.135	0.289									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												600.0	597.5	595.0	
COEFF.												-0.144	-0.150	-0.157	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	878.7	665.1	691.3	692.6	699.2	767.2									
COEFF.	0.608	0.032	0.103	0.106	0.124	0.307									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	885.5	660.0	683.3	690.5	694.4	761.7									
COEFF.	0.626	0.018	0.081	0.101	0.111	0.292									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	10	P436-03	TF-556	1/30/81	30:	6:	19:	50	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.901	1105.4	653.2	370.8	2.098	115.0	574.7	23114.	663.5	441.9	0.50	1.196	0.928

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	594.8			607.7										622.6
	COEFF.	-0.158			-0.123										-0.083
290.0	ORIFICE	232	233					234							
	PRESSURE	564.3	577.4					592.7							
	COEFF.	-0.240	-0.205					-0.163							
288.0	ORIFICE	253	254					255							
	PRESSURE	590.1	576.2					594.5							
	COEFF.	-0.170	-0.208					-0.158							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						592.8	593.4	593.0						
	COEFF.						-0.163	-0.161	-0.162						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		570.9					594.7	591.2	591.7	592.5				
	COEFF.		-0.222					-0.158	-0.167	-0.166	-0.164				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							586.2		586.1	586.6	585.9	585.1	582.7	
	COEFF.							-0.181		-0.181	-0.180	-0.181	-0.184	-0.190	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			593.0	599.6	616.3						596.7	591.1	588.3	
	COEFF.			-0.162	-0.144	-0.100						-0.152	-0.167	-0.175	
268.0	ORIFICE	216	217					218							
	PRESSURE	752.9	688.6					653.2							
	COEFF.	0.269	0.096					-0.000							
260.0	ORIFICE	207			208										209
	PRESSURE	780.6			703.0										577.1
	COEFF.	0.344			0.134										-0.205

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	10	P436-03	TF-556	1/30/81	30: 6:19:50	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.901	1105.4	653.2	370.8	2.098	115.0	574.7	29114.	663.5	441.9	0.50	1.196	0.928

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282		283	284		285			
282.0	PRESSURE			573.5		563.8	572.8		582.0			
	COEFFICIENT			-0.215		-0.241	-0.217		-0.192			
	ORIFICE			278		279	280		281			
280.0	PRESSURE			572.2		563.3	569.1		583.9			
	COEFFICIENT			-0.219		-0.242	-0.227		-0.187			
	ORIFICE						276		277			
277.5	PRESSURE						642.3		579.1			
	COEFFICIENT						-0.029		-0.200			
	ORIFICE					271	272		273		274	
276.0	PRESSURE					563.4	513.6		620.9		587.0	
	COEFFICIENT					-0.242	-0.377		-0.087		-0.176	
	ORIFICE	2918	2928									
260.0	PRESSURE	661.6	661.3									
	COEFFICIENT	0.023	0.022									

INSIDE PRESSURE ORIFICES

	ORIFICE					261			262			
276.0	PRESSURE					561.8			583.0			
	COEFFICIENT					-0.246			-0.189			

KULITE RMS VALUES

287.0	ORIFICE			410	411		412		413
	VALUE			0.108	0.108		0.112		0.109
278.0	ORIFICE			405	406		407		408	409
	VALUE			0.0	0.071		0.077		0.158	0.075
273.0	ORIFICE			401	402		403		404
	VALUE			0.052	0.0		0.0		0.0

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
15	11	P436-03	TF-556	1/30/81	30	6	24	36	0	288	02-27-81	14/ 2	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.957	1000.1	554.9	356.0	1.940	114.7	574.4	32665.	564.2	435.9	0.50	1.190	1.494

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
300.0	ORIFICE	236	237	238	239	240	241									
	PRESSURE	695.3	577.9	588.3	605.4	600.9	573.6									
	COEFF.	0.394	0.065	0.094	0.142	0.129	0.053									
290.0	ORIFICE	226	227	228	229	230	231									
	PRESSURE	756.1	575.4	592.8	599.7	614.1	617.5									
	COEFF.	0.565	0.058	0.106	0.126	0.166	0.176									
287.0	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
	PRESSURE							530.9	534.5	500.4	483.2	480.1	483.4			
	COEFF.							-0.068	-0.057	-0.153	-0.201	-0.210	-0.201			
282.0	ORIFICE											*301*	*302*	*303*		
	PRESSURE											473.1	473.1	472.0		
	COEFF.											-0.230	-0.230	-0.233		
278.0	ORIFICE	220	221	222												
	PRESSURE	770.0	561.9	583.3												
	COEFF.	0.604	0.020	0.080												
277.0	ORIFICE				223	224	225									
	PRESSURE				594.4	604.5	667.6									
	COEFF.				0.111	0.139	0.317									
275.0	ORIFICE											*291*	*292*	*293*		
	PRESSURE											505.5	503.5	501.6		
	COEFF.											-0.139	-0.144	-0.150		
268.0	ORIFICE	210	211	212	213	214	215									
	PRESSURE	773.1	564.2	589.8	590.6	597.7	672.5									
	COEFF.	0.613	0.026	0.098	0.100	0.120	0.330									
260.0	ORIFICE	201	202	203	204	205	206									
	PRESSURE	780.1	558.5	582.1	589.1	593.4	666.3									
	COEFF.	0.633	0.010	0.076	0.096	0.108	0.313									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	11	P436-03	TF-556	1/30/81	30:	6:	24:	36	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.957	1000.1	554.9	356.0	1.940	114.7	574.4	32665.	564.2	435.9	0.50	1.190	1.494

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	476.5			515.2										527.5
	COEFF.	-0.220			-0.112										-0.077
290.0	ORIFICE	232	233					234							
	PRESSURE	471.9	483.5					501.8							
	COEFF.	-0.233	-0.200					-0.149							
288.0	ORIFICE	253	254					255							
	PRESSURE	538.7	482.7					502.8							
	COEFF.	-0.046	-0.203					-0.146							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						500.8	502.3	501.4						
	COEFF.						-0.152	-0.148	-0.150						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		477.9					501.9	501.0	500.9	500.9				
	COEFF.		-0.216					-0.149	-0.151	-0.152	-0.152				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							491.4		491.8	491.9	494.2	493.6	491.4	
	COEFF.							-0.178		-0.177	-0.177	-0.171	-0.172	-0.178	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			500.3	506.2	523.8						501.5	495.3	492.7	
	COEFF.			-0.153	-0.137	-0.087						-0.150	-0.167	-0.175	
268.0	ORIFICE	216	217					218							
	PRESSURE	662.7	595.4					559.4							
	COEFF.	0.303	0.114					0.013							
260.0	ORIFICE	207			208										209
	PRESSURE	689.0			610.2										483.7
	COEFF.	0.377			0.155										-0.200

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	11	P436-03	TF-556	1/30/81	30:	6:	24:	36	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.957	1000.1	554.9	356.0	1.940	114.7	574.4	32665.	564.2	435.9	0.50	1.190	1.494

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			474.5			471.1	478.4		483.4		
	COEFFICIENT			-0.226			-0.235	-0.215		-0.201		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			473.7			469.9	476.2		484.9		
	COEFFICIENT			-0.228			-0.239	-0.221		-0.197		
	ORIFICE							276		277		
277.5	PRESSURE							546.4		467.8		
	COEFFICIENT							-0.024		-0.245		
	ORIFICE						271	272		273		274
276.0	PRESSURE						464.5	412.0		523.0		485.8
	COEFFICIENT						-0.254	-0.401		-0.090		-0.194
	ORIFICE	291B	292B									
260.0	PRESSURE	564.4	564.4									
	COEFFICIENT	0.027	0.027									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						469.5			488.4		
	COEFFICIENT						-0.240			-0.187		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.097	0.103			0.107			0.102	
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.065			0.075		0.152	0.072	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.051	0.0			0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	12	P436-03	TF-556	1/30/81	30:	6:	25:	14	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.960	1002.2	554.7	357.5	1.945	114.9	574.6	32673.	564.0	438.2	0.50	1.190	1.572

MODEL	TRAJECTORY	ALPHA	BETA	SPEED_BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	695.6	577.7	588.2	605.5	600.5	574.3									
	COEFF.	0.394	0.064	0.094	0.142	0.128	0.055									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	756.9	575.4	592.9	599.5	614.3	618.1									
	COEFF.	0.566	0.058	0.107	0.125	0.167	0.177									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							531.7	534.9	500.2	481.3	479.7	482.8			
	COEFF.							-0.064	-0.055	-0.152	-0.205	-0.210	-0.201			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											472.3	472.5	471.4		
	COEFF.											-0.230	-0.230	-0.233		
	ORIFICE	220	221	222												
278.0	PRESSURE	770.6	561.7	583.2												
	COEFF.	0.604	0.020	0.080												
	ORIFICE				223	224	225									
277.0	PRESSURE				594.3	604.6	668.2									
	COEFF.				0.111	0.140	0.318									
	ORIFICE											*291*	*292*	*293*		
275.0	PRESSURE											505.5	503.4	501.5		
	COEFF.											-0.138	-0.143	-0.149		
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	774.1	564.9	590.3	591.1	598.2	673.5									
	COEFF.	0.614	0.029	0.100	0.102	0.122	0.332									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	781.2	558.9	582.2	589.4	593.5	667.0									
	COEFF.	0.634	0.012	0.077	0.097	0.109	0.314									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	12	P436-03	TF-556	1/30/81	30:	6:	25:	14	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.960	1002.2	554.7	357.5	1.945	114.9	574.6	32673.	564.0	438.2	-0.50	1.190	1.572

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	476.1			515.4										527.0
	COEFF.	-0.220			-0.110										-0.077
290.0	ORIFICE	232	233				234								
	PRESSURE	471.6	483.1				501.1								
	COEFF.	-0.232	-0.200				-0.150								
288.0	ORIFICE	253	254				255								
	PRESSURE	533.1	482.3				502.0								
	COEFF.	-0.060	-0.202				-0.147								
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						500.2	501.7	500.6						
	COEFF.						-0.152	-0.148	-0.151						
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		477.9				501.1	499.5	500.5	500.3					
	COEFF.		-0.215				-0.150	-0.154	-0.152	-0.152					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						490.8		490.9	491.9	494.0	493.6	491.4		
	COEFF.						-0.179		-0.178	-0.176	-0.170	-0.171	-0.177		
275.0	ORIFICE			*294*	*295*	*296*					*297*	*298*	*299*		
	PRESSURE			500.2	506.2	523.8					501.9	495.1	492.7		
	COEFF.			-0.152	-0.135	-0.086					-0.148	-0.167	-0.173		
268.0	ORIFICE	216	217				218								
	PRESSURE	663.6	595.7				559.4								
	COEFF.	0.305	0.115				0.013								
260.0	ORIFICE	207			208										209
	PRESSURE	689.7			610.9										483.5
	COEFF.	0.378			0.157										-0.199

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	12	P436-03	TF-556	1/30/81	30:	6:	25:	14	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.960	1002.2	554.7	357.5	1.945	114.9	574.6	32673.	564.0	438.2	0.50	1.190	1.572

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			473.8			471.0	477.8		483.8		
	COEFFICIENT			-0.226			-0.234	-0.215		-0.198		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			473.5			469.9	476.3		485.1		
	COEFFICIENT			-0.227			-0.237	-0.219		-0.195		
	ORIFICE							276		277		
277.5	PRESSURE							545.9		468.1		
	COEFFICIENT							-0.024		-0.242		
	ORIFICE						271	272		273		274
276.0	PRESSURE						464.1	411.7		522.5		485.8
	COEFFICIENT						-0.253	-0.400		-0.090		-0.193

	ORIFICE	291B	292B
260.0	PRESSURE	563.7	563.6
	COEFFICIENT	0.025	0.025

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	469.0	488.4
	COEFFICIENT	-0.240	-0.185

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413	
	VALUE	0.097	0.093	0.101	0.102	
278.0	ORIFICE	405	406	407	408	409
	VALUE	0.0	0.066	0.076	0.147	0.075
273.0	ORIFICE	401	402	403	404	
	VALUE	0.051	0.0	0.0	0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	13	P436-03	TF-556	1/30/81	30:	6:	26:	5	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.959	998.0	552.7	355.8	1.935	115.1	574.8	32749.	562.0	436.0	0.50	1.190	1.579

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	693.3	575.8	586.4	603.6	599.0	572.7									
	COEFF.	0.395	0.065	0.095	0.143	0.130	0.056									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	754.4	573.5	590.9	597.4	612.4	616.0									
	COEFF.	0.567	0.058	0.107	0.126	0.168	0.178									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							529.7	533.1	498.9	479.7	478.2	481.2			
	COEFF.							-0.065	-0.055	-0.151	-0.205	-0.210	-0.201			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													470.9	470.7	469.0
	COEFF.													-0.230	-0.230	-0.235
	ORIFICE	220	221	222												
278.0	PRESSURE	768.2	560.1	581.3												
	COEFF.	0.606	0.021	0.080												
	ORIFICE				223	224	225									
277.0	PRESSURE				592.4	602.6	666.4									
	COEFF.				0.111	0.140	0.320									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													503.7	501.6	499.5
	COEFF.													-0.138	-0.144	-0.150
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	771.4	562.6	588.1	588.9	596.0	671.5									
	COEFF.	0.615	0.028	0.100	0.102	0.122	0.334									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	778.7	556.9	580.5	587.0	591.7	665.2									
	COEFF.	0.635	0.012	0.078	0.096	0.110	0.316									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	13	P436-03	TF-556	1/30/81	30:	6:	26:	5	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.959	998.0	552.7	355.8	1.935	115.1	574.8	32749.	562.0	436.0	0.50	1.190	1.579

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	473.3			514.4										526.2
	COEFF.	-0.223			-0.108										-0.075
290.0	ORIFICE	232	233					234							
	PRESSURE	469.6	481.9					500.1							
	COEFF.	-0.233	-0.199					-0.148							
288.0	ORIFICE	253	254					255							
	PRESSURE	528.2	481.2					501.1							
	COEFF.	-0.069	-0.201					-0.145							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						498.9	500.1	499.6						
	COEFF.						-0.151	-0.148	-0.149						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		475.8					500.4	498.6	499.5	498.7				
	COEFF.		-0.216					-0.147	-0.152	-0.149	-0.152				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							489.9		490.2	491.0	492.6	492.0	490.1	
	COEFF.							-0.177		-0.176	-0.173	-0.169	-0.171	-0.176	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			498.1	503.9	520.8						498.8	493.1	490.5	
	COEFF.			-0.154	-0.137	-0.090						-0.151	-0.168	-0.175	
268.0	ORIFICE	216	217					218							
	PRESSURE	661.6	594.1					557.6							
	COEFF.	0.306	0.116					0.014							
260.0	ORIFICE	207			208										209
	PRESSURE	687.9			609.7										481.9
	COEFF.	0.380			0.160										-0.199

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	13	P43G-03	TF-556	1/30/81	30: 6:26: 5	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.959	998.0	552.7	355.8	1.935	115.1	574.8	32749.	562.0	436.0	0.50	1.190	1.579

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			472.6			466.7	475.6		482.1		
	COEFFICIENT			-0.225			-0.236	-0.217		-0.199		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			472.2			467.5	473.4		483.5		
	COEFFICIENT			-0.226			-0.239	-0.223		-0.199		
	ORIFICE							276		277		
277.5	PRESSURE							544.1		467.2		
	COEFFICIENT							-0.024		-0.240		
	ORIFICE						271	272		273		274
276.0	PRESSURE						462.8	410.6		520.7		484.7
	COEFFICIENT						-0.253	-0.399		-0.090		-0.191
	ORIFICE	2918	2923									
260.0	PRESSURE	561.9	562.1									
	COEFFICIENT	0.026	0.026									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						466.7			486.0		
	COEFFICIENT						-0.242			-0.187		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.096	0.101			0.108		0.102		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.066			0.077		0.151	0.072	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.051	0.0			0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	14	P436-03	TF-556	1/30/81	30	6	27	4	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.958	993.0	550.3	353.8	1.925	115.3	575.0	32844.	559.5	433.5	0.50	1.190	1.587

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	689.8	573.1	583.5	600.6	596.0	570.0									
	COEFF.	0.394	0.064	0.094	0.142	0.129	0.056									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	750.9	571.1	588.2	594.4	609.4	613.2									
	COEFF.	0.567	0.059	0.107	0.125	0.167	0.178									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							527.0	530.4	496.4	478.1	476.3	479.2			
	COEFF.							-0.066	-0.056	-0.152	-0.204	-0.209	-0.201			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													468.0	469.1	467.5
	COEFF.													-0.232	-0.229	-0.234
	ORIFICE	220	221	222												
278.0	PRESSURE	764.4	557.6	578.6												
	COEFF.	0.605	0.021	0.080												
	ORIFICE				223	224	225									
277.0	PRESSURE				589.7	599.8	663.2									
	COEFF.				0.112	0.140	0.319									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													502.0	500.0	498.1
	COEFF.													-0.136	-0.142	-0.147
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	767.8	560.1	585.5	586.2	593.2	668.1									
	COEFF.	0.615	0.028	0.100	0.102	0.121	0.333									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	774.8	554.4	577.9	584.4	588.8	661.7									
	COEFF.	0.635	0.012	0.078	0.097	0.109	0.315									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND-TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	14	P43G-03	TF-556	1/30/81	30:	6:	27:	4	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.958	993.0	550.3	353.8	1.925	115.3	575.0	32844.	559.5	433.5	0.50	1.190	1.587

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	472.4			511.9										524.5
	COEFF.	-0.220			-0.108										-0.073
290.0	ORIFICE	232	233					234							
	PRESSURE	468.3	479.5					497.7							
	COEFF.	-0.232	-0.200					-0.149							
288.0	ORIFICE	253	254					255							
	PRESSURE	522.1	478.8					498.6							
	COEFF.	-0.080	-0.202					-0.146							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						496.4	497.8	497.1						
	COEFF.						-0.152	-0.148	-0.150						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		474.3					497.7	496.1	496.8	496.7				
	COEFF.		-0.215					-0.149	-0.153	-0.151	-0.151				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							486.7		487.1	487.6	490.3	489.7	487.8	
	COEFF.							-0.180		-0.179	-0.177	-0.169	-0.171	-0.177	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			496.7	502.7	519.8						497.9	492.1	488.8	
	COEFF.			-0.151	-0.134	-0.086						-0.148	-0.164	-0.174	
268.0	ORIFICE	216	217					218							
	PRESSURE	657.9	591.0					555.3							
	COEFF.	0.304	0.115					0.014							
260.0	ORIFICE	207			208										209
	PRESSURE	684.1			605.8										480.1
	COEFF.	0.378			0.157										-0.198

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	14	P43G-03	TF-556	1/30/81	30: 6:27: 4	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.958	993.0	550.3	353.8	1.925	115.3	575.0	32844.	559.5	433.5	0.50	1.190	1.587

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282		283	284		285			
282.0	PRESSURE			469.7		467.5	473.8		479.3			
	COEFFICIENT			-0.228		-0.234	-0.216		-0.200			
	ORIFICE			278		279	280		281			
280.0	PRESSURE			469.6		466.5	472.7		480.5			
	COEFFICIENT			-0.228		-0.237	-0.219		-0.197			
	ORIFICE						276		277			
277.5	PRESSURE						541.7		463.9			
	COEFFICIENT						-0.024		-0.244			
	ORIFICE					271	272		273		274	
276.0	PRESSURE					460.3	408.6		517.9		481.8	
	COEFFICIENT					-0.254	-0.400		-0.091		-0.193	
	ORIFICE	291B	292B									
260.0	PRESSURE	559.1	559.0									
	COEFFICIENT	0.025	0.025									

INSIDE PRESSURE ORIFICES

	ORIFICE					261			262			
276.0	PRESSURE					466.2			484.9			
	COEFFICIENT					-0.238			-0.185			

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.094	0.100			0.107			0.191	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.061			0.074			0.150	0.072
273.0	ORIFICE			401	402			403			404	
	VALUE			0.051	0.0			0.0			0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	15	P436-03	TF-556	1/30/81	30:	6:	28:	16	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.958	987.0	547.2	351.6	1.912	115.5	575.2	32963.	556.4	430.6	0.50	1.189	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =		0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	685.9	570.1	580.3	597.3	592.4	566.6									
	COEFF.	0.394	0.065	0.094	0.142	0.128	0.055									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	746.3	567.8	584.8	591.3	606.0	609.3									
	COEFF.	0.566	0.059	0.107	0.125	0.167	0.177									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							523.9	527.5	493.7	477.6	473.6	476.7			
	COEFF.							-0.066	-0.056	-0.152	-0.198	-0.207	-0.201			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												466.6	466.8	465.3	
	COEFF.												-0.229	-0.229	-0.233	
	ORIFICE	220	221	222												
278.0	PRESSURE	760.0	554.5	575.5												
	COEFF.	0.605	0.021	0.080												
	ORIFICE				223	224	225									
277.0	PRESSURE				586.5	596.6	659.1									
	COEFF.				0.112	0.141	0.318									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												499.2	497.2	495.2	
	COEFF.												-0.137	-0.142	-0.148	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	763.4	557.1	582.4	583.1	590.2	664.4									
	COEFF.	0.615	0.028	0.100	0.102	0.122	0.333									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	770.1	551.2	574.4	581.2	585.5	657.9									
	COEFF.	0.634	0.011	0.077	0.097	0.109	0.315									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
15	15	P43G-03	TF-556	1/30/81	30:	6:	28:	16	0	288	02-27-81	14/	2	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.958	987.0	547.2	351.6	1.912	115.5	575.2	32963.	556.4	430.6	0.50	1.189	0.0

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	470.4			509.0										521.9
	COEFF.	-0.219			-0.109										-0.072
290.0	ORIFICE	232	233					234							
	PRESSURE	465.8	476.8					495.2							
	COEFF.	-0.232	-0.200					-0.148							
288.0	ORIFICE	253	254					255							
	PRESSURE	515.3	476.2					495.8							
	COEFF.	-0.091	-0.202					-0.146							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						493.9	495.6	494.7						
	COEFF.						-0.152	-0.147	-0.149						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		471.9					495.2	493.9	494.2	494.0				
	COEFF.		-0.214					-0.148	-0.152	-0.151	-0.151				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							483.4		484.2	484.9	487.7	487.3	485.1	
	COEFF.							-0.182		-0.179	-0.177	-0.169	-0.170	-0.177	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			494.0	500.0	516.7						494.3	488.6	484.4	
	COEFF.			-0.151	-0.134	-0.087						-0.150	-0.167	-0.179	
268.0	ORIFICE	216	217					218							
	PRESSURE	654.3	587.6					552.2							
	COEFF.	0.305	0.115					0.014							
260.0	ORIFICE	207			208										209
	PRESSURE	680.2			602.4										477.7
	COEFF.	0.378			0.157										-0.198

DATE. 2-27-81 PROJECT NO. P430-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
15	15	P430-03	TF-556	1/30/81	30	6	28	16	0	288	02-27-81	14/ 2	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX1043
0.958	987.0	547.2	351.6	1.912	115.5	575.2	32963.	556.4	430.6	0.50	1.189	0.0

MODEL	TRAJECTORY	ALPHA	SETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE				282			283	284		285		
282.0	PRESSURE				466.9			465.7	471.2		476.6		
	COEFFICIENT				-0.229			-0.232	-0.216		-0.241		
	ORIFICE				278			279	280		281		
280.0	PRESSURE				466.9			464.2	470.4		477.9		
	COEFFICIENT				-0.229			-0.236	-0.219		-0.197		
	ORIFICE								276		277		
277.5	PRESSURE								538.8		461.6		
	COEFFICIENT								-0.024		-0.249		
	ORIFICE							271	272		273		274
276.0	PRESSURE							458.0	406.4		515.5		478.7
	COEFFICIENT							-0.254	-0.401		-0.090		-0.195

	ORIFICE	291B	292B										
260.0	PRESSURE	556.3	556.3										
	COEFFICIENT	0.026	0.026										

INSIDE PRESSURE ORIFICES

	ORIFICE							261			262		
276.0	PRESSURE							463.8			482.0		
	COEFFICIENT							-0.237			-0.186		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413		
	VALUE			0.094	0.094			0.102			0.100		
278.0	ORIFICE			405	406			407			408	409	
	VALUE			0.0	0.061			0.073			0.148	0.072	
273.0	ORIFICE			401	402			403			404		
	VALUE			0.051	0.0			0.0			0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8860	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	1	P436-02	TF-556	1/30/81	30	19	43	29	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.783	868.9	579.6	248.8	1.597	101.4	561.1	31729.	587.3	281.6	0.50	1.155	0.568

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	672.2	591.3	598.7	606.4	598.9	573.0									
	COEFF.	0.372	0.047	0.077	0.108	0.078	-0.026									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	713.8	592.9	604.1	607.2	610.0	600.0									
	COEFF.	0.539	0.054	0.099	0.111	0.122	0.082									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							557.6	558.9	535.8	526.9	525.1	526.9			
	COEFF.							-0.088	-0.083	-0.176	-0.212	-0.219	-0.212			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													521.5	522.4	520.2
	COEFF.													-0.233	-0.230	-0.239
	ORIFICE	220	221	222												
278.0	PRESSURE	722.9	585.9	599.1												
	COEFF.	0.576	0.025	0.079												
	ORIFICE				223	224	225									
277.0	PRESSURE				605.9	608.9	639.4									
	COEFF.				0.106	0.118	0.241									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													543.6	542.0	540.3
	COEFF.													-0.145	-0.151	-0.158
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	725.2	586.2	603.0	604.2	608.1	645.0									
	COEFF.	0.585	0.027	0.094	0.099	0.115	0.263									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	729.3	584.0	598.4	601.7	605.4	642.9									
	COEFF.	0.602	0.018	0.076	0.089	0.104	0.255									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	1	P436-03	TF-556	1/30/81	30:19:43:29	0	238	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.783	868.9	579.6	248.8	1.597	101.4	561.1	31729.	587.3	281.6	0.50	1.155	0.568

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
	ORIFICE	242			243										244
300.0	PRESSURE	540.1			545.5										557.6
	COEFF.	-0.158			-0.137										-0.088
	ORIFICE	232	233					234							
290.0	PRESSURE	523.3	527.7					535.0							
	COEFF.	-0.226	-0.208					-0.179							
	ORIFICE	253	254					255							
286.0	PRESSURE	526.1	527.0					536.1							
	COEFF.	-0.215	-0.211					-0.175							
	ORIFICE						*316*	*317*	*318*						
287.0	PRESSURE						534.6	534.9	534.2						
	COEFF.						-0.181	-0.180	-0.182						
	ORIFICE		251					252	*319*	*320*	*321*				
285.0	PRESSURE		524.6					535.6	533.4	533.7	533.5				
	COEFF.		-0.221					-0.176	-0.185	-0.184	-0.185				
	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
282.0	PRESSURE							529.6		530.1	530.8	530.3	529.9	528.6	
	COEFF.							-0.201		-0.199	-0.196	-0.198	-0.200	-0.205	
	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
275.0	PRESSURE			538.0	542.3	554.4						541.2	537.9	536.8	
	COEFF.			-0.167	-0.150	-0.101						-0.154	-0.167	-0.172	
	ORIFICE	216	217					218							
268.0	PRESSURE	633.4	597.6					575.7							
	COEFF.	0.216	0.072					-0.016							
	ORIFICE	207			208										209
260.0	PRESSURE	653.6			605.4										528.7
	COEFF.	0.298			0.104										-0.204

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	1	P436-03	TF-556	1/30/81	30:19:43:29	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.783	868.9	579.6	248.8	1.597	101.4	561.1	31729.	587.3	281.6	0.50	1.155	0.568

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			527.9			520.4	526.0		529.4		
	COEFFICIENT			-0.207			-0.238	-0.215		-0.206		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				526.9		520.7	524.3		530.7		
	COEFFICIENT				-0.212		-0.237	-0.222		-0.196		
	ORIFICE							276		277		
277.5	PRESSURE							574.9		535.2		
	COEFFICIENT							-0.019		-0.176		
	ORIFICE						271	272		273		274
276.0	PRESSURE						520.3	494.8		558.4		534.2
	COEFFICIENT						-0.238	-0.341		-0.085		-0.182
	ORIFICE	291B	292B									
260.0	PRESSURE	586.2	586.1									
	COEFFICIENT	0.027	0.026									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						521.2			534.0		
	COEFFICIENT						-0.234			-0.183		

KULITE RMS VALUES

287.0	ORIFICE				410	411			412		413	
	VALUE				0.078	0.071			0.078		0.081	
278.0	ORIFICE				405	406			407		408	409
	VALUE				0.0	0.044			0.149		0.123	0.045
273.0	ORIFICE				401	402			403		404	
	VALUE				0.053	0.0			0.0		0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	2	P436-03	TF-556	1/30/81	30:19:48: 0	0	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10**3
0.801	1267.7	830.6	373.3	2.363	100.2	559.9	23680.	842.3	425.4	0.50	1.190	0.462

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	969.6	847.2	857.9	870.3	858.9	819.3									
	COEFF.	0.372	0.044	0.073	0.106	0.076	-0.030									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1032.7	847.5	865.4	870.4	875.5	862.1									
	COEFF.	0.541	0.045	0.093	0.106	0.120	0.084									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							799.0	801.9	769.4	750.5	747.8	750.7			
	COEFF.							-0.085	-0.077	-0.164	-0.215	-0.222	-0.214			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													743.1	742.4	741.1
	COEFF.													-0.234	-0.236	-0.240
	ORIFICE	220	221	222												
278.0	PRESSURE	1046.0	836.0	857.3												
	COEFF.	0.577	0.014	0.072												
	ORIFICE				223	224	225									
277.0	PRESSURE				867.9	872.8	920.3									
	COEFF.				0.100	0.113	0.240									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													774.5	771.7	769.2
	COEFF.													-0.150	-0.158	-0.164
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1048.7	836.6	862.9	864.7	870.7	928.6									
	COEFF.	0.584	0.016	0.087	0.091	0.108	0.263									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1055.2	833.1	855.0	860.7	666.7	924.6									
	COEFF.	0.602	0.007	0.065	0.081	0.097	0.252									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	2	P436-03	TF-556	1/30/81	30:19:48: 0	0.	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1267.7	830.6	373.3	2.363	100.2	559.9	23680.	842.3	425.4	0.50	1.190	0.462

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV														
300.0 ORIFICE	242			243										244
PRESSURE	767.5			774.5										790.2
COEFF.	-0.169			-0.150										-0.108
290.0 ORIFICE	232	233					234							
PRESSURE	742.4	750.1					761.5							
COEFF.	-0.236	-0.216					-0.185							
288.0 ORIFICE	253	254					255							
PRESSURE	631.3	749.3					763.1							
COEFF.	-0.534	-0.218					-0.181							
287.0 ORIFICE						*316*	*317*	*318*						
PRESSURE						762.2	762.6	761.6						
COEFF.						-0.183	-0.182	-0.185						
285.0 ORIFICE		251					252	*319*	*320*	*321*				
PRESSURE		745.3					762.5	760.5	760.5	760.1				
COEFF.		-0.229					-0.183	-0.188	-0.188	-0.189				
282.0 ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
PRESSURE							755.0		754.5	755.6	754.8	754.3	752.0	
COEFF.							-0.202		-0.204	-0.201	-0.203	-0.204	-0.211	
275.0 ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
PRESSURE			767.1	773.3	790.2						770.5	764.7	763.2	
COEFF.			-0.170	-0.153	-0.108						-0.161	-0.176	-0.180	
268.0 ORIFICE	216	217					218							
PRESSURE	911.8	856.0					822.5							
COEFF.	0.218	0.068					-0.022							
250.0 ORIFICE	207			208										209
PRESSURE	942.6			869.0										749.2
COEFF.	0.300			0.103										-0.218

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	2	P436-03	TF-556	1/30/81	30:19:48: 0	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1267.7	830.6	373.3	2.363	100.2	559.9	23680.	842.3	425.4	0.50	1.190	0.462

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			749.8			737.5	745.9		753.0		
	COEFFICIENT			-0.216			-0.249	-0.227		-0.208		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				748.5		738.3	743.5		754.1		
	COEFFICIENT				-0.220		-0.247	-0.233		-0.205		
	ORIFICE							276		277		
277.5	PRESSURE							818.6		762.6		
	COEFFICIENT							-0.032		-0.186		
	ORIFICE						271	272		273		274
276.0	PRESSURE						737.0	694.1		792.6		759.3
	COEFFICIENT						-0.251	-0.366		-0.102		-0.191
	ORIFICE	291B	292B									
260.0	PRESSURE	843.3	843.4									
	COEFFICIENT	0.034	0.034									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						738.9			758.4		
	COEFFICIENT						-0.246			-0.195		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.120	0.118		0.115		0.126		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.074		0.207		0.172	0.064	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.058	0.033		0.0		0.025		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	3	P436-03	TF-556	1/30/81	30:19:48:22	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1275.5	837.0	374.7	2.376	100.1	559.8	23502.	848.8	426.7	0.50	1.192	0.460

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	976.7	853.8	864.6	877.0	866.0	826.7									
COEFF.	0.373	0.045	0.074	0.107	0.077	-0.028									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1040.6	854.5	872.2	877.6	882.6	868.9									
COEFF.	0.543	0.047	0.094	0.108	0.122	0.085									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							804.8	808.7	775.7	757.0	754.3	756.5			
COEFF.							-0.086	-0.076	-0.164	-0.214	-0.221	-0.215			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											750.0	748.9	747.3		
COEFF.											-0.232	-0.235	-0.239		
ORIFICE	220	221	222												
278.0 PRESSURE	1054.2	843.1	864.6												
COEFF.	0.580	0.016	0.073												
ORIFICE				223	224	225									
277.0 PRESSURE				874.9	879.7	928.1									
COEFF.				0.101	0.114	0.243									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											781.5	778.8	776.2		
COEFF.											-0.148	-0.155	-0.162		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1057.0	843.8	870.3	872.0	877.9	936.3									
COEFF.	0.587	0.018	0.089	0.093	0.109	0.265									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1063.7	840.3	862.1	868.0	873.8	932.0									
COEFF.	0.605	0.009	0.067	0.083	0.098	0.253									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	3	P436-03	TF-556	1/30/81	30:19:48:22	0	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1275.5	837.0	374.7	2.376	100.1	559.8	23502.	848.8	426.7	0.50	1.192	0.460

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
300.0	ORIFICE	242			243										244
	PRESSURE	774.9			782.6										798.3
	COEFF.	-0.166			-0.145										-0.103
290.0	ORIFICE	232	233					234							
	PRESSURE	748.7	757.0					768.5							
	COEFF.	-0.236	-0.214					-0.183							
288.0	ORIFICE	253	254					255							
	PRESSURE	647.5	756.1					770.3							
	COEFF.	-0.506	-0.216					-0.178							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						769.8	769.5	768.4						
	COEFF.						-0.179	-0.180	-0.183						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		751.8					769.7	767.0	767.0	766.8				
	COEFF.		-0.227					-0.180	-0.187	-0.187	-0.187				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							761.9		761.9	762.6	761.5	760.8	758.7	
	COEFF.							-0.200		-0.201	-0.199	-0.202	-0.203	-0.209	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			773.8	780.1	797.1						778.3	772.5	770.2	
	COEFF.			-0.169	-0.152	-0.107						-0.157	-0.172	-0.178	
268.0	ORIFICE	216	217					218							
	PRESSURE	919.0	863.1					829.5							
	COEFF.	0.219	0.070					-0.020							
260.0	ORIFICE	207			208										209
	PRESSURE	949.4			875.8										756.4
	COEFF.	0.300			0.103										-0.215

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	3	P436-03	TF-556	1/30/81	30:19:48:22	0	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1275.5	337.6	374.7	2.376	100.1	559.8	23502.	848.8	426.7	0.50	1.192	0.460

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			756.6			744.3	752.6		760.3		
	COEFFICIENT			-0.215			-0.248	-0.225		-0.205		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			755.4			745.1	750.6		761.8		
	COEFFICIENT			-0.218			-0.245	-0.231		-0.201		
	ORIFICE							276		277		
277.5	PRESSURE							824.8		770.3		
	COEFFICIENT							-0.033		-0.178		
	ORIFICE						271	272		273		274
276.0	PRESSURE						744.2	701.1		799.0		767.5
	COEFFICIENT						-0.248	-0.363		-0.102		-0.186
	ORIFICE	2918	2928									
260.0	PRESSURE	849.1	849.2									
	COEFFICIENT	0.032	0.033									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						745.9			765.1		
	COEFFICIENT						-0.243			-0.192		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.123	0.121			0.116		0.126		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.073			0.210		0.177	0.064	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.058	0.032			0.0		0.026		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	4	P436-03	TF-556	1/30/81	30:19:48:35	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.804	1276.6	834.4	377.3	2.384	100.0	559.7	23575.	846.2	430.4	0.50	1.198	0.45x

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	975.2	851.7	862.5	875.1	864.3	825.5									
	COEFF.	0.373	0.046	0.074	0.108	0.079	-0.024									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1039.8	852.7	870.5	875.7	880.8	867.3									
	COEFF.	0.545	0.048	0.096	0.109	0.123	0.087									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							803.1	807.1	773.6	754.6	752.2	754.1			
	COEFF.							-0.083	-0.072	-0.161	-0.212	-0.218	-0.213			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													747.2	745.9	745.0
	COEFF.													-0.231	-0.235	-0.237
	ORIFICE	220	221	222												
278.0	PRESSURE	1053.3	841.5	862.8												
	COEFF.	0.580	0.019	0.075												
	ORIFICE				223	224	225									
277.0	PRESSURE				873.4	878.0	927.2									
	COEFF.				0.103	0.116	0.246									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													779.4	776.5	774.0
	COEFF.													-0.146	-0.153	-0.160
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1056.4	842.1	868.6	870.4	876.0	935.2									
	COEFF.	0.588	0.020	0.091	0.095	0.110	0.267									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1063.2	838.7	860.7	866.7	872.2	931.0									
	COEFF.	0.606	0.011	0.070	0.086	0.100	0.256									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	4	P436-03	TF-556	1/30/81	30:19:48:35	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.804	1276.6	834.4	377.3	2.384	100.0	559.7	23575.	846.2	430.4	0.50	1.198	0.45

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	773.8			781.6										797.6
	COEFF.	-0.161			-0.140										-0.098
290.0	ORIFICE	232	233					234							
	PRESSURE	746.6	755.2					766.5							
	COEFF.	-0.233	-0.210					-0.180							
288.0	ORIFICE	253	254					255							
	PRESSURE	655.7	754.4					768.2							
	COEFF.	-0.474	-0.212					-0.175							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						766.5	767.4	766.6						
	COEFF.						-0.180	-0.178	-0.180						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		750.1					768.1	765.1	765.3	764.9				
	COEFF.		-0.224					-0.176	-0.184	-0.183	-0.184				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							759.8		760.1	760.6	759.5	759.3	756.9	
	COEFF.							-0.198		-0.197	-0.196	-0.198	-0.199	-0.205	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			771.9	778.4	795.2						776.1	770.4	768.2	
	COEFF.			-0.166	-0.148	-0.104						-0.154	-0.170	-0.175	
268.0	ORIFICE	216	217					218							
	PRESSURE	917.5	861.6					827.8							
	COEFF.	0.220	0.072					-0.017							
260.0	ORIFICE	207			208										209
	PRESSURE	948.3			874.2										755.3
	COEFF.	0.302			0.105										-0.210

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	4	P436-03	TF-556	1/30/81	30:19:48:35	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.804	1276.6	834.4	377.3	2.384	100.0	559.7	23575.	846.2	430.4	0.50	1.198	0.459

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282		283	284		285			
282.0	PRESSURE			754.6		742.7	751.2		758.3			
	COEFFICIENT			-0.212		-0.243	-0.220		-0.202			
	ORIFICE			278		279	280		281			
280.0	PRESSURE			753.2		743.2	749.1		760.4			
	COEFFICIENT			-0.215		-0.242	-0.226		-0.196			
	ORIFICE						276		277			
277.5	PRESSURE						822.0		768.4			
	COEFFICIENT						-0.033		-0.175			
	ORIFICE					271	272		273		274	
276.0	PRESSURE					742.4	699.5		796.2		765.4	
	COEFFICIENT					-0.244	-0.358		-0.101		-0.183	

		291B	292B
260.0	ORIFICE		
	PRESSURE	845.2	845.3
	COEFFICIENT	0.029	0.029

INSIDE PRESSURE ORIFICES

	ORIFICE					261			262			
276.0	PRESSURE					743.6			763.7			
	COEFFICIENT					-0.241			-0.187			

KULITE RMS VALUES

287.0	ORIFICE				410	411			412		413	
	VALUE				0.123	0.122			0.115		0.130	
278.0	ORIFICE				405	406			407		408	409
	VALUE				0.0	0.075			0.211		0.176	0.065
273.0	ORIFICE				401	402			403		404	
	VALUE				0.058	0.033			0.0		0.026	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	5	P436-03	TF-556	1/30/81	30:19:50:10	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.897	1142.2	677.9	381.4	2.248	98.2	557.9	28293.	688.5	453.7	0.50	1.195	0.543

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	825.7	701.0	712.0	727.5	720.7	687.8									
COEFF.	0.388	0.061	0.090	0.130	0.112	0.026									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	893.9	701.5	719.8	725.1	736.0	729.9									
COEFF.	0.566	0.062	0.110	0.124	0.152	0.136									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							651.7	654.9	618.5	597.1	595.3	597.7			
COEFF.							-0.069	-0.060	-0.156	-0.212	-0.216	-0.210			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											588.9	587.9	586.8		
COEFF.											-0.233	-0.236	-0.239		
ORIFICE	220	221	222												
278.0 PRESSURE	907.7	690.3	711.3												
COEFF.	0.603	0.033	0.088												
ORIFICE				223	224	225									
277.0 PRESSURE				722.6	730.0	791.6									
COEFF.				0.117	0.137	0.298									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												625.6	622.5	620.0	
COEFF.												-0.137	-0.145	-0.152	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	911.4	691.6	718.6	720.0	726.2	797.1									
COEFF.	0.612	0.036	0.107	0.111	0.127	0.313									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	918.7	686.6	709.7	715.9	721.6	790.5									
COEFF.	0.631	0.023	0.084	0.100	0.115	0.295									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	5	P436-03	TF-556	1/30/81	30:19:50:10	0	288	02-27-81	16/	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.897	1142.2	677.8	381.4	2.248	98.2	557.9	28293.	668.5	453.7	0.50	1.195	0.545

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV														
ORIFICE	242			243										244
300.0 PRESSURE	620.8			635.8										652.4
COEFF.	-0.150			-0.110										-0.067
ORIFICE	232	233					234							
290.0 PRESSURE	586.8	600.9					616.9							
COEFF.	-0.239	-0.202					-0.160							
ORIFICE	253	254					255							
288.0 PRESSURE	655.3	599.2					619.2							
COEFF.	-0.059	-0.206					-0.154							
ORIFICE						*316*	*317*	*318*						
287.0 PRESSURE						615.8	617.0	615.8						
COEFF.						-0.163	-0.159	-0.163						
ORIFICE		251					252	*319*	*320*	*321*				
285.0 PRESSURE		594.4					620.0	614.7	615.4	616.6				
COEFF.		-0.219					-0.152	-0.165	-0.164	-0.160				
ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
282.0 PRESSURE							609.2		610.2	610.5	609.6	609.0	607.0	
COEFF.							-0.180		-0.177	-0.177	-0.179	-0.181	-0.186	
ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
275.0 PRESSURE			618.5	625.5	642.8						621.7	616.4	612.9	
COEFF.			-0.156	-0.137	-0.092						-0.147	-0.161	-0.170	
ORIFICE	216	217					218							
268.0 PRESSURE	780.9	715.8					678.7							
COEFF.	0.270	0.100					0.002							
ORIFICE	207			208										209
260.0 PRESSURE	810.4			729.8										602.5
COEFF.	0.348			0.136										-0.198

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	S	P436-03	TF-556	1/30/81	30:19:50:10	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.897	1142.2	677.8	361.4	2.248	98.2	557.9	28293.	688.5	453.7	0.50	1.195	0.543

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			597.8			587.5	597.5		607.3		
	COEFFICIENT			-0.210			-0.237	-0.211		-0.185		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			596.3			587.7	593.1		609.2		
	COEFFICIENT			-0.214			-0.236	-0.222		-0.180		
	ORIFICE							276		277		
277.5	PRESSURE							664.6		607.1		
	COEFFICIENT							-0.035		-0.186		
	ORIFICE						271	272		273		274
276.0	PRESSURE						587.8	534.6		642.6		613.3
	COEFFICIENT						-0.236	-0.376		-0.093		-0.169

		291B	292B
260.0	ORIFICE		
	PRESSURE	683.8	683.7
	COEFFICIENT	0.016	0.015

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						586.3			608.5		
	COEFFICIENT						-0.240			-0.182		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.123	0.123		0.119		0.126		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.067		0.185		0.177	0.063	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.056	0.026		0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	6	P436-03	TF-556	1/30/81	30:19:50:31	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.899	1126.9	666.8	377.5	2.220	98.3	558.0	28658.	677.3	449.6	0.50	1.186	0.583

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
300.0	ORIFICE	236	237	238	239	240	241									
	PRESSURE	812.9	689.5	700.6	715.8	708.1	673.9									
	COEFF.	0.387	0.060	0.089	0.130	0.109	0.019									
290.0	ORIFICE	226	227	228	229	230	231									
	PRESSURE	878.1	688.9	707.2	713.4	723.3	718.2									
	COEFF.	0.560	0.059	0.107	0.123	0.150	0.136									
287.0	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
	PRESSURE							639.0	643.2	607.5	586.6	584.8	587.0			
	COEFF.							-0.074	-0.062	-0.157	-0.213	-0.217	-0.211			
282.0	ORIFICE													*301*	*302*	*303*
	PRESSURE													578.1	577.0	575.8
	COEFF.													-0.235	-0.238	-0.241
278.0	ORIFICE	220	221	222												
	PRESSURE	891.8	676.9	698.3												
	COEFF.	0.596	0.027	0.083												
277.0	ORIFICE				223	224	225									
	PRESSURE				709.5	717.1	776.3									
	COEFF.				0.113	0.133	0.290									
275.0	ORIFICE													*291*	*292*	*293*
	PRESSURE													613.7	610.7	608.1
	COEFF.													-0.141	-0.149	-0.156
268.0	ORIFICE	210	211	212	213	214	215									
	PRESSURE	895.2	678.4	705.1	706.6	713.2	782.7									
	COEFF.	0.605	0.031	0.101	0.105	0.123	0.307									
260.0	ORIFICE	201	202	203	204	205	206									
	PRESSURE	902.2	673.3	696.6	702.4	708.5	776.4									
	COEFF.	0.624	0.017	0.079	0.094	0.111	0.290									

DATE. 4-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	6	P436-03	TF-556	1/30/81	30:19:50:31	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.899	1126.9	666.8	377.5	2.220	98.3	558.0	28658.	677.3	449.6	0.50	1.186	0.583

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C -		0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
	ORIFICE	242			243										244
300.0	PRESSURE	607.7			621.9										638.0
	COEFF.	-0.157			-0.119										-0.076
	ORIFICE	232	233					234							
290.0	PRESSURE	575.7	589.3					605.8							
	COEFF.	-0.241	-0.205					-0.162							
	ORIFICE	253	254					255							
288.0	PRESSURE	648.7	587.7					607.9							
	COEFF.	-0.048	-0.210					-0.156							
	ORIFICE						*316*	*317*	*318*						
287.0	PRESSURE						605.5	606.3	605.7						
	COEFF.						-0.162	-0.160	-0.162						
	ORIFICE		251					252	*319*	*320*	*321*				
285.0	PRESSURE		582.5					607.9	604.4	604.6	604.6				
	COEFF.		-0.223					-0.156	-0.165	-0.165	-0.165				
	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
282.0	PRESSURE							597.4		598.4	599.3	598.6	597.8	595.8	
	COEFF.							-0.184		-0.181	-0.179	-0.181	-0.183	-0.188	
	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
275.0	PRESSURE			606.3	613.0	630.5						609.2	603.9	601.7	
	COEFF.			-0.160	-0.142	-0.096						-0.153	-0.167	-0.172	
	ORIFICE	216	217					218							
268.0	PRESSURE	767.8	702.8					666.2							
	COEFF.	0.268	0.095					-0.002							
	ORIFICE	207			208										209
260.0	PRESSURE	797.9			717.3										590.2
	COEFF.	0.347			0.134										-0.203

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD. DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	6	P436-03	TF-556	1/30/81	30:19:50:31	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.899	1126.9	666.8	377.5	2.220	98.3	558.0	28658.	677.3	449.6	0.50	1.186	0.583

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			292			283	284		285		
282.0	PRESSURE			586.0			575.6	584.7		594.9		
	COEFFICIENT			-0.214			-0.242	-0.217		-0.191		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				584.5		575.7	580.6		596.6		
	COEFFICIENT				-0.218		-0.241	-0.228		-0.166		
	ORIFICE							276		277		
277.5	PRESSURE							655.1		593.2		
	COEFFICIENT							-0.031		-0.193		
	ORIFICE						271	272		273		274
276.0	PRESSURE						575.2	523.4		632.4		600.0
	COEFFICIENT						-0.243	-0.380		-0.091		-0.177

	ORIFICE	291B	292B
260.0	PRESSURE	676.2	676.3
	COEFFICIENT	0.025	0.025

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	574.7	595.0
	COEFFICIENT	-0.244	-0.190

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413	
	VALUE	0.119	0.119	0.115	0.124	
278.0	ORIFICE	405	406	407	408	409
	VALUE	0.0	0.067	0.183	0.173	0.063
273.0	ORIFICE	401	402	403	404	
	VALUE	0.056	0.027	0.0	0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	7	P436-03	TF-556	1/30/81	30	19	50	45	0	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1130.2	668.0	379.1	2.228	98.2	557.9	28619.	678.5	451.7	0.50	1.186	0.581

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	815.1	690.9	702.1	717.5	709.4	674.3									
COEFF.	0.388	0.060	0.090	0.131	0.109	0.017									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	880.0	689.8	708.2	714.3	724.5	720.1									
COEFF.	0.559	0.058	0.106	0.122	0.149	0.138									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							639.5	644.0	608.5	588.0	585.8	588.4			
COEFF.							-0.075	-0.063	-0.157	-0.211	-0.217	-0.210			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													580.4	579.5	578.1
COEFF.													-0.231	-0.233	-0.237
ORIFICE	220	221	222												
278.0 PRESSURE	893.9	677.3	699.3												
COEFF.	0.596	0.025	0.083												
ORIFICE				223	224	225									
277.0 PRESSURE				710.5	716.3	777.0									
COEFF.				0.112	0.133	0.268									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													614.4	611.3	608.8
COEFF.													-0.141	-0.149	-0.156
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	896.5	678.1	705.5	706.8	713.8	783.5									
COEFF.	0.603	0.027	0.099	0.102	0.121	0.305									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	903.7	673.5	697.1	702.6	709.1	777.6									
COEFF.	0.622	0.015	0.077	0.091	0.108	0.289									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEL	CART	TRANSONIC 16T
17	7	P436-03	TF-556	1/30/81	30:19:50:45	0	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1130.2	668.0	379.1	2.228	98.2	557.9	28619.	678.5	451.7	0.50	1.186	0.581

MODEL	TRAJECTORY	ALPHA	BETA	SPEED_BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	607.4			620.8										636.3
	COEFF.	-0.160			-0.124										-0.083
290.0	ORIFICE	232	233					234							
	PRESSURE	576.3	590.2					606.5							
	COEFF.	-0.242	-0.205					-0.162							
288.0	ORIFICE	253	254					255							
	PRESSURE	644.8	588.5					608.1							
	COEFF.	-0.061	-0.210					-0.158							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						606.2	607.0	606.2						
	COEFF.						-0.163	-0.161	-0.163						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		583.5					608.0	605.2	605.6	605.3				
	COEFF.		-0.223					-0.158	-0.166	-0.165	-0.165				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							598.6		599.6	599.9	599.4	599.0	596.4	
	COEFF.							-0.183		-0.180	-0.180	-0.181	-0.182	-0.189	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			607.2	613.8	631.9						610.1	604.8	602.7	
	COEFF.			-0.160	-0.143	-0.095						-0.153	-0.167	-0.172	
268.0	ORIFICE	216	217					218							
	PRESSURE	769.2	703.7					667.1							
	COEFF.	0.267	0.094					-0.002							
260.0	ORIFICE	207			208										209
	PRESSURE	800.2			718.5										589.8
	COEFF.	0.349			0.133										-0.206

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	7	P436-03	TF-556	1/30/81	30	19	50	45	0	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1130.2	668.0	379.1	2.228	98.2	557.9	28619.	678.5	451.7	-0.50	1.186	0.581

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
282.0	ORIFICE			282			283	284		285		
	PRESSURE			585.6			576.3	585.1		594.5		
	COEFFICIENT			-0.217			-0.242	-0.219		-0.194		
280.0	ORIFICE			278			279	280		281		
	PRESSURE			584.3			576.3	581.5		596.1		
	COEFFICIENT			-0.221			-0.242	-0.228		-0.190		
277.5	ORIFICE							276		277		
	PRESSURE							656.6		591.7		
	COEFFICIENT							-0.030		-0.201		
276.0	ORIFICE						271	272		273		274
	PRESSURE						575.0	522.4		633.3		599.0
	COEFFICIENT						-0.245	-0.384		-0.096		-0.182
260.0	ORIFICE	2918	2928									
	PRESSURE	678.1	678.4									
	COEFFICIENT	0.027	0.028									

INSIDE PRESSURE ORIFICES

276.0	ORIFICE						261			262		
	PRESSURE						575.4			595.7		
	COEFFICIENT						-0.244			-0.191		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.119	0.116		0.114		0.121		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.067		0.178		0.173	0.061	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.055	0.027		0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
17	8	P436-03	TF-556	1/30/81	30:19:53:46	0	288	02-27-81	16/ 3	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.089	942.1	447.1	371.4	1.942	101.6	561.3	37278.	455.8	486.3	0.50	1.235	0.697

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
300.0	ORIFICE	236	237	238	239	240	241									
	PRESSURE	588.9	456.1	472.2	477.0	520.4	514.0									
	COEFF.	0.382	0.024	0.068	0.080	0.197	0.180									
290.0	ORIFICE	226	227	228	229	230	231									
	PRESSURE	664.6	458.0	497.5	486.7	527.4	552.0									
	COEFF.	0.586	0.030	0.136	0.107	0.215	0.282									
287.0	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
	PRESSURE							442.4	443.0	402.8	373.9	373.7	384.7			
	COEFF.							-0.013	-0.011	-0.119	-0.197	-0.198	-0.168			
282.0	ORIFICE												*301*	*302*	*303*	
	PRESSURE												358.3	358.9	358.0	
	COEFF.												-0.239	-0.237	-0.240	
278.0	ORIFICE	220	221	222												
	PRESSURE	681.0	448.4	481.7												
	COEFF.	0.630	0.004	0.093												
277.0	ORIFICE				223	224	225									
	PRESSURE				489.3	475.5	599.7									
	COEFF.				0.114	0.077	0.411									
275.0	ORIFICE												*291*	*292*	*293*	
	PRESSURE												404.5	401.7	399.6	
	COEFF.												-0.115	-0.122	-0.128	
268.0	ORIFICE	210	211	212	213	214	215									
	PRESSURE	685.9	452.3	494.6	484.4	483.9	600.4									
	COEFF.	0.643	0.014	0.128	0.101	0.099	0.413									
260.0	ORIFICE	201	202	203	204	205	206									
	PRESSURE	692.7	468.5	466.7	487.1	486.9	588.1									
	COEFF.	0.661	0.058	0.053	0.108	0.107	0.380									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	8	P436-03	TF-556	1/30/81	30:19:53:48	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.089	942.1	447.1	371.4	1.942	101.6	561.3	37278.	455.8	486.3	0.50	1.235	0.697

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	351.3			429.5										437.3
	COEFF.	-0.258			-0.047										-0.026
290.0	ORIFICE	232	233					234							
	PRESSURE	357.4	375.9					410.8							
	COEFF.	-0.241	-0.192					-0.098							
288.0	ORIFICE	253	254					255							
	PRESSURE	514.0	379.6					405.5							
	COEFF.	0.180	-0.182					-0.112							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						403.9	403.8	402.5						
	COEFF.						-0.116	-0.116	-0.120						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		378.2					402.9	398.7	400.0	400.5				
	COEFF.		-0.186					-0.119	-0.130	-0.127	-0.125				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							382.6		383.3	383.7	389.0	387.7	385.0	
	COEFF.							-0.174		-0.172	-0.171	-0.156	-0.160	-0.167	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			400.9	404.9	424.8						386.4	380.0	376.1	
	COEFF.			-0.124	-0.114	-0.060						-0.163	-0.181	-0.191	
268.0	ORIFICE	216	217					218							
	PRESSURE	601.2	522.7					486.1							
	COEFF.	0.415	0.204					0.105							
260.0	ORIFICE	207			208										209
	PRESSURE	627.6			538.1										368.0
	COEFF.	0.486			0.245										-0.213

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
17	8	P43G-03	TF-556	1/30/81	30:19:53:48	0	288	02-27-81	16/ 3	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.089	942.1	447.1	371.4	1.942	101.6	561.3	37278.	455.8	486.3	0.50	1.235	0.697

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.09

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			356.2			355.9	365.1		372.2		
	COEFFICIENT			-0.245			-0.246	-0.221		-0.202		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				355.9		354.1	361.2		371.3		
	COEFFICIENT				-0.246		-0.250	-0.231		-0.204		
	ORIFICE							276		277		
277.5	PRESSURE							438.2		376.4		
	COEFFICIENT							-0.024		-0.190		
	ORIFICE						271	272		273		274
276.0	PRESSURE						349.7	297.6		409.6		367.9
	COEFFICIENT						-0.262	-0.402		-0.101		-0.213

	ORIFICE	291B	292B
260.0	PRESSURE	455.1	455.2
	COEFFICIENT	0.022	0.022

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	354.5	372.4
	COEFFICIENT	-0.249	-0.201

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.053	0.086	0.126	0.115		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.0	0.062	0.103	0.122	0.057	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.054	0.0	0.0	0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	9	P436-03	TF-556	1/30/81	30:19:54:11	0	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.087	957.5	455.8	376.9	1.972	101.8	561.5	36858.	464.7	492.8	0.50	1.236	0.686

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	594.2	486.0	495.6	503.6	524.2	516.9									
COEFF.	0.367	-0.080	0.106	0.127	0.181	0.162									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	668.1	465.9	495.6	503.4	534.5	558.4									
COEFF.	0.563	-0.027	0.106	0.126	0.209	0.272									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							449.1	449.5	411.1	382.0	381.3	391.7			
COEFF.							-0.018	-0.017	-0.119	-0.196	-0.196	-0.170			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													367.7	368.3	367.1
COEFF.													-0.234	-0.232	-0.235
ORIFICE	220	221	222												
278.0 PRESSURE	688.7	452.4	486.2												
COEFF.	0.618	-0.009	0.081												
ORIFICE				223	224	225									
277.0 PRESSURE				490.3	493.2	603.6									
COEFF.				0.091	0.099	0.392									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													412.1	409.4	407.1
COEFF.													-0.116	-0.123	-0.129
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	692.0	458.8	498.0	489.1	493.8	605.3									
COEFF.	0.627	0.008	0.112	0.088	0.101	0.397									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	700.8	468.8	471.0	490.1	495.0	593.9									
COEFF.	0.650	0.035	0.040	0.091	0.104	0.366									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	9	P43G-03	TF-556	1/30/81	30	19	54	11	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.087	957.5	455.8	376.9	1.972	101.8	561.5	36858.	464.7	492.8	0.50	1.236	0.680

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	356.0			429.5										440.5
	COEFF.	-0.265			-0.070										-0.041
290.0	ORIFICE	232	233					234							
	PRESSURE	365.2	382.2					414.5							
	COEFF.	-0.240	-0.195					-0.110							
288.0	ORIFICE	253	254					255							
	PRESSURE	501.4	386.2					409.5							
	COEFF.	0.121	-0.185					-0.123							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						408.0	408.8	407.5						
	COEFF.						-0.127	-0.125	-0.128						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		381.9					406.6	405.4	405.9	405.3				
	COEFF.		-0.196					-0.131	-0.134	-0.132	-0.134				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							388.2		384.0	389.3	395.3	394.7	391.5	
	COEFF.							-0.179		-0.190	-0.176	-0.160	-0.162	-0.171	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			408.0	411.9	433.1						395.0	388.0	391.7	
	COEFF.			-0.127	-0.117	-0.060						-0.161	-0.180	-0.170	
268.0	ORIFICE	216	217					218							
	PRESSURE	606.3	527.2					492.2							
	COEFF.	0.399	0.189					0.097							
260.0	ORIFICE	207			208										209
	PRESSURE	633.6			543.1										374.4
	COEFF.	0.472			0.232										-0.216

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
17	9	P436-03	TF-556	1/30/81	30:19:54:11	0	288	02-27-81	16/ 3	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.087	957.5	455.8	376.9	1.972	101.8	561.5	36958.	464.7	492.8	0.50	1.236	0.686

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
282.0	ORIFICE			282			283	284		285		
	PRESSURE			365.4			367.1	374.0		378.2		
	COEFFICIENT			-0.240			-0.235	-0.217		-0.206		
280.0	ORIFICE			278			279	280		281		
	PRESSURE			365.0			363.6	369.3		376.6		
	COEFFICIENT			-0.241			-0.245	-0.230		-0.210		
277.5	ORIFICE							276		277		
	PRESSURE							448.2		380.9		
	COEFFICIENT							-0.020		-0.199		
276.0	ORIFICE						271	272		273		274
	PRESSURE						357.6	305.7		419.0		374.4
	COEFFICIENT						-0.261	-0.398		-0.098		-0.216
260.0	ORIFICE	291B	292B									
	PRESSURE	465.6	465.6									
	COEFFICIENT	0.026	0.026									

INSIDE PRESSURE ORIFICES

276.0	ORIFICE						261			262		
	PRESSURE						363.6			379.1		
	COEFFICIENT						-0.245			-0.203		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.056	0.088		0.122		0.117		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.059		0.101		0.136	0.060	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.054	0.0		0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
17	10	P436-03	TF-556	1/30/81	30:19:54:25	0	288	02-27-81	16/ 3	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.092	963.5	455.6	380.5	1.985	102.1	561.8	36870.	464.5	499.0	0.50	1.240	0.682

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	598.3	464.6	486.5	490.6	527.5	520.2									
	COEFF.	0.375	0.024	0.081	0.092	0.189	0.170									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	674.2	466.4	502.7	499.6	537.1	561.6									
	COEFF.	0.575	0.029	0.124	0.116	0.214	0.279									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							450.2	450.2	411.1	382.0	380.6	391.9			
	COEFF.							-0.014	-0.014	-0.117	-0.193	-0.197	-0.167			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													366.4	365.0	365.9
	COEFF.													-0.234	-0.238	-0.236
	ORIFICE	220	221	222												
278.0	PRESSURE	692.2	453.2	488.5												
	COEFF.	0.622	-0.006	0.087												
	ORIFICE				223	224	225									
277.0	PRESSURE				493.1	487.7	607.8									
	COEFF.				0.099	0.085	0.400									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													411.8	408.8	406.6
	COEFF.													-0.115	-0.123	-0.129
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	696.5	459.0	502.9	491.8	492.5	609.1									
	COEFF.	0.633	0.009	0.124	0.095	0.097	0.404									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	704.2	474.7	471.7	489.1	494.3	597.3									
	COEFF.	0.653	0.050	0.042	0.088	0.102	0.372									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	10	P436-03	TF-556	1/30/81	30:19:54:25	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.092	963.5	455.6	380.5	1.985	102.1	561.8	36870.	464.5	499.0	0.50	1.240	0.682

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	355.3			431.4										440.9
	COEFF.	-0.264			-0.063										-0.039
290.0	ORIFICE	232	233					234							
	PRESSURE	364.1	382.2					415.4							
	COEFF.	-0.240	-0.193					-0.106							
288.0	ORIFICE	253	254					255							
	PRESSURE	493.7	386.3					410.5							
	COEFF.	0.100	-0.182					-0.119							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						410.0	410.1	408.8						
	COEFF.						-0.120	-0.119	-0.123						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		383.4					407.3	405.2	405.9	406.2				
	COEFF.		-0.190					-0.127	-0.132	-0.130	-0.130				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							388.5		388.1	390.0	395.6	394.5	391.5	
	COEFF.							-0.176		-0.177	-0.172	-0.158	-0.160	-0.168	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			407.9	411.6	432.7						392.7	386.3	382.9	
	COEFF.			-0.125	-0.115	-0.060						-0.165	-0.182	-0.191	
268.0	ORIFICE	216	217					218							
	PRESSURE	610.7	530.2					493.4							
	COEFF.	0.408	0.196					0.100							
260.0	ORIFICE	207			208										209
	PRESSURE	638.3			546.2										373.7
	COEFF.	0.480			0.238										-0.215

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	10	P436-03	TF-556	1/30/81	30:19:54:25	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.092	963.5	455.6	380.5	1.985	102.1	561.8	36870.	464.5	499.0	0.50	1.240	0.682

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
282.0	ORIFICE			282			283	284		285		
	PRESSURE			363.4			363.4	372.0		377.9		
	COEFFICIENT			-0.242			-0.242	-0.219		-0.204		
280.0	ORIFICE			278			279	280		281		
	PRESSURE			363.3			361.2	367.9		376.9		
	COEFFICIENT			-0.243			-0.248	-0.230		-0.207		
277.5	ORIFICE							276		277		
	PRESSURE							446.9		380.9		
	COEFFICIENT							-0.023		-0.199		
276.0	ORIFICE						271	272		273		274
	PRESSURE						355.9	303.6		417.8		373.8
	COEFFICIENT						-0.262	-0.399		-0.099		-0.215
260.0	ORIFICE	2918	2928									
	PRESSURE	464.1	464.2									
	COEFFICIENT	0.023	0.023									

INSIDE PRESSURE ORIFICES

276.0	ORIFICE						261			262		
	PRESSURE						361.2			378.4		
	COEFFICIENT						-0.248			-0.203		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.055	0.089		0.126		0.117		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.065		0.103		0.124	0.059	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.054	0.0		0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	11	P436-03	TF-556	1/30/81	30:19:58:43	0	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	883.5	341.3	373.0	1.841	100.7	560.4	42988.	349.2	534.3	0.50	1.311	0.703

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	489.3	371.0	382.8	376.6	377.6	430.1									
COEFF.	0.397	0.080	0.111	0.095	0.098	0.238									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	567.4	322.2	398.2	393.0	381.6	464.0									
COEFF.	0.606	-0.051	0.153	0.139	0.108	0.329									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							355.7	356.4	315.9	279.0	278.8	294.2			
COEFF.							0.039	0.040	-0.068	-0.167	-0.167	-0.126			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											267.5	269.0	271.1		
COEFF.											-0.198	-0.194	-0.188		
ORIFICE	220	221	222												
278.0 PRESSURE	575.9	334.6	381.6												
COEFF.	0.629	-0.018	0.108												
ORIFICE				223	224	225									
277.0 PRESSURE				386.7	383.9	499.5									
COEFF.				0.122	0.114	0.424									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											309.5	305.4	301.7		
COEFF.											-0.085	-0.096	-0.106		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	582.8	299.2	396.7	385.2	385.9	489.0									
COEFF.	0.648	-0.113	0.149	0.118	0.120	0.396									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	589.3	279.2	370.8	375.2	391.1	438.6									
COEFF.	0.665	-0.166	0.079	0.091	0.107	0.261									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	11	P43G-03	TF-556	1/30/81	30:19:58:43	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	883.5	341.3	373.0	1.941	100.7	560.4	42988.	349.2	534.3	0.50	1.311	0.703

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
300.0	ORIFICE	242			243										244
	PRESSURE	256.1			336.6										342.5
	COEFF.	-0.228			-0.012										0.003
290.0	ORIFICE	232	233					234							
	PRESSURE	263.7	270.5					316.5							
	COEFF.	-0.208	-0.190					-0.066							
288.0	ORIFICE	253	254					255							
	PRESSURE	372.7	290.4					336.2							
	COEFF.	0.084	-0.136					-0.014							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						358.1	339.7	332.6						
	COEFF.						0.045	-0.004	-0.023						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		307.7					335.1	310.9	314.3	313.9				
	COEFF.		-0.090					-0.017	-0.081	-0.072	-0.073				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							297.6		295.7	297.3	304.0	300.0	292.0	
	COEFF.							-0.117		-0.122	-0.118	-0.100	-0.111	-0.132	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			300.9	304.5	324.4						294.9	283.8	275.5	
	COEFF.			-0.108	-0.099	-0.045						-0.124	-0.154	-0.176	
268.0	ORIFICE	216	217					218							
	PRESSURE	515.9	448.5					408.6							
	COEFF.	0.468	0.287					0.180							
260.0	ORIFICE	207			208										209
	PRESSURE	535.4			457.0										266.4
	COEFF.	0.520			0.310										-0.201

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	11	P436-03	TF-556	1/30/81	30:19:58:43	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.250	883.5	341.3	373.0	1.841	100.7	569.4	42988.	349.2	534.3	0.50	1.311	0.703

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			248.4			250.5	267.6		277.5		
	COEFFICIENT			-0.249			-0.243	-0.197		-0.171		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			249.9			251.0	260.3		274.7		
	COEFFICIENT			-0.245			-0.242	-0.217		-0.179		
	ORIFICE							276		277		
277.5	PRESSURE							334.0		285.1		
	COEFFICIENT							-0.019		-0.150		
	ORIFICE						271	272		273		274
276.0	PRESSURE						244.1	196.1		317.3		264.6
	COEFFICIENT						-0.260	-0.389		-0.064		-0.205
	ORIFICE	291B	292B									
260.0	PRESSURE	345.5	345.4									
	COEFFICIENT	0.012	0.011									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						248.9			269.9		
	COEFFICIENT						-0.247			-0.191		

KULITE RMS VALUES

287.0	ORIFICE			410	411		412		413
	VALUE			0.0	0.0		0.061		0.081
278.0	ORIFICE			405	406		407		408 409
	VALUE			0.0	0.063		0.111		0.115 0.050
273.0	ORIFICE			401	402		403		404
	VALUE			0.054	0.0		0.0		0.0

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	12	P436-03	TF-556	1/30/81	30:19:59: 8	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.251	880.3	339.6	371.8	1.832	101.2	560.9	43090.	347.5	532.8	0.50	1.307	0.703

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	487.1	368.8	379.8	374.7	377.1	427.1									
	COEFF.	0.397	0.078	0.108	0.094	0.101	0.236									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	562.2	310.1	396.4	389.3	377.9	463.6									
	COEFF.	0.599	-0.079	0.153	0.134	0.103	0.334									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							353.8	354.4	314.0	276.9	275.8	291.0			
	COEFF.							0.038	0.040	-0.069	-0.169	-0.172	-0.131			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													264.7	266.2	268.9
	COEFF.													-0.201	-0.197	-0.190
	ORIFICE	220	221	222												
278.0	PRESSURE	572.7	315.8	377.3												
	COEFF.	0.627	-0.064	0.101												
	ORIFICE				223	224	225									
277.0	PRESSURE				381.9	381.1	498.2									
	COEFF.				0.114	0.112	0.427									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													306.6	302.2	298.0
	COEFF.													-0.089	-0.101	-0.112
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	580.3	272.0	391.5	379.1	380.7	486.3									
	COEFF.	0.647	-0.182	0.140	0.106	0.111	0.395									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	588.0	253.5	367.4	369.2	375.4	430.3									
	COEFF.	0.668	-0.232	0.075	0.080	0.096	0.244									

DATE. 2-2/-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	12	P436-03	TF-556	1/30/81	30:19:59: 8	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.251	880.3	339.6	371.8	1.832	101.2	560.9	43090.	347.5	532.8	0.50	1.307	0.705

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	252.0			334.0										338.5
	COEFF.	-0.234			-0.015										-0.003
290.0	ORIFICE	232	233					234							
	PRESSURE	261.2	266.0					313.4							
	COEFF.	-0.211	-0.198					-0.070							
288.0	ORIFICE	253	254					255							
	PRESSURE	365.5	287.7					334.4							
	COEFF.	0.070	-0.139					-0.014							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						357.5	338.8	331.2						
	COEFF.						0.048	-0.002	-0.023						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		304.8					333.7	308.8	310.8	310.5				
	COEFF.		-0.094					-0.016	-0.083	-0.077	-0.078				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							293.9		293.8	294.9	301.0	297.0	288.6	
	COEFF.							-0.123		-0.123	-0.120	-0.104	-0.115	-0.137	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			295.9	299.4	320.8						291.6	279.7	270.6	
	COEFF.			-0.117	-0.108	-0.051						-0.129	-0.161	-0.186	
268.0	ORIFICE	216	217					218							
	PRESSURE	515.0	447.6					408.4							
	COEFF.	0.472	0.290					0.185							
260.0	ORIFICE	207			208										209
	PRESSURE	535.8			456.1										261.6
	COEFF.	0.528			0.314										-0.210

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	12	P436-03	TF-556	1/30/81	30:19:59: 8	0	286	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.251	880.3	339.6	371.8	1.832	101.2	560.9	43090.	347.5	532.8	0.50	1.307	0.703

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			242.8			243.5	261.1		274.5		
	COEFFICIENT			-0.260			-0.259	-0.211		-0.175		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				244.6		245.3	254.7		270.5		
	COEFFICIENT				-0.256		-0.254	-0.228		-0.169		
	ORIFICE							276		277		
277.5	PRESSURE							333.8		280.4		
	COEFFICIENT							-0.016		-0.159		
	ORIFICE						271	272		273		274
276.0	PRESSURE						238.0	188.6		316.3		259.6
	COEFFICIENT						-0.273	-0.406		-0.063		-0.215
	ORIFICE	2918	2928									
260.0	PRESSURE	346.9	347.1									
	COEFFICIENT	0.020	0.020									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						243.1			263.8		
	COEFFICIENT						-0.259			-0.204		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.0	0.0			0.063		0.081		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.063			0.111		0.117	0.049	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.055	0.0			0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	13	P436-03	TF-556	1/30/81	30:19:59:20	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.248	882.8	341.6	372.6	1.838	101.1	560.8	42969.	349.5	533.3	0.50	1.308	0.703

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	489.5	370.6	381.5	377.0	378.7	428.6									
COEFF.	0.397	-0.078	-0.107	-0.095	-0.100	-0.234									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	564.7	310.7	398.1	390.8	379.4	465.9									
COEFF.	0.599	-0.083	0.152	0.132	0.102	0.334									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							354.9	355.4	316.0	278.2	276.9	291.7			
COEFF.							0.036	0.037	-0.069	-0.170	-0.173	-0.134			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													265.6	266.5	269.6
COEFF.													-0.204	-0.202	-0.193
ORIFICE	220	221	222												
278.0 PRESSURE	575.0	315.6	378.6												
COEFF.	0.627	-0.070	0.100												
ORIFICE				223	224	225									
277.0 PRESSURE				383.1	382.4	500.1									
COEFF.				0.112	0.110	0.426									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													307.7	303.4	298.9
COEFF.													-0.091	-0.103	-0.115
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	582.6	269.6	392.9	380.5	382.5	488.5									
COEFF.	0.647	-0.193	0.138	0.105	0.110	0.394									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	590.3	250.9	368.8	370.6	376.5	431.7									
COEFF.	0.668	-0.243	0.073	0.078	0.094	0.242									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
17	13	P43G-03	TF-556	1/30/81	30:19:59:20	0	288	02-27-81	16/ 3	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.248	882.8	341.6	372.6	1.838	101.1	560.8	42969.	349.5	533.3	0.50	1.308	0.703

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	252.3			334.7										338.9
	COEFF.	-0.239			-0.018										-0.007
290.0	ORIFICE	232	233					234							
	PRESSURE	262.2	266.8					314.4							
	COEFF.	-0.213	-0.201					-0.073							
288.0	ORIFICE	253	254					255							
	PRESSURE	362.7	288.7					335.8							
	COEFF.	0.057	-0.142					-0.016							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						358.8	340.0	332.7						
	COEFF.						0.046	-0.004	-0.024						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		305.7					334.6	310.6	312.2	311.2				
	COEFF.		-0.096					-0.019	-0.083	-0.079	-0.081				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							294.6		294.5	296.3	302.2	297.1	289.3	
	COEFF.							-0.126		-0.126	-0.122	-0.106	-0.119	-0.140	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			296.8	300.2	321.5						292.*	280.2	270.7	
	COEFF.			-0.120	-0.111	-0.054						-0.132	-0.165	-0.190	
268.0	ORIFICE	216	217					218							
	PRESSURE	517.5	449.5					410.2							
	COEFF.	0.472	0.290					0.184							
260.0	ORIFICE	207			208										209
	PRESSURE	538.1			458.1										261.5
	COEFF.	0.527			0.313										-0.215

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	13	P436-03	TF-556	1/30/81	30:19:59:20	0	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.248	882.8	341.6	372.6	1.838	101.1	560.8	42969.	349.5	533.3	0.50	1.308	0.704

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			243.1			243.9	261.7		275.3		
	COEFFICIENT			-0.264			-0.262	-0.214		-0.178		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			244.9			245.5	254.8		271.1		
	COEFFICIENT			-0.259			-0.258	-0.233		-0.189		
	ORIFICE							276		277		
277.5	PRESSURE							336.1		280.7		
	COEFFICIENT							-0.015		-0.193		
	ORIFICE						271	272		273		274
276.0	PRESSURE						237.8	187.6		318.3		259.9
	COEFFICIENT						-0.279	-0.413		-0.062		-0.219

	ORIFICE	2918	2928
260.0	PRESSURE	349.9	350.0
	COEFFICIENT	0.022	0.023

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	243.1	264.3
	COEFFICIENT	-0.264	-0.207

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.0	0.0	0.062	0.080		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.0	0.063	0.112	0.117	0.049	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.055	0.0	0.0	0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8881	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	14	P436-03	TF-556	1/30/81	30	20	6	19	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.400	847.7	266.3	365.5	1.735	102.0	561.7	48118.	273.5	574.2	0.50	1.416	0.732

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	410.4	151.9	293.9	303.5	299.9	366.2									
	COEFF.	0.394	-0.313	0.075	0.102	0.092	0.273									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	497.0	163.7	283.3	312.0	300.3	393.6									
	COEFF.	0.631	-0.281	0.047	0.125	0.093	0.348									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							292.6	294.3	260.1	222.6	221.5	233.4			
	COEFF.							0.072	0.077	-0.017	-0.120	-0.124	-0.090			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													216.6	219.7	218.5
	COEFF.													-0.136	-0.128	-0.131
	ORIFICE	220	221	222												
278.0	PRESSURE	507.5	176.7	281.8												
	COEFF.	0.660	-0.245	0.042												
	ORIFICE				223	224	225									
277.0	PRESSURE				303.6	297.0	398.1									
	COEFF.				0.102	0.084	0.361									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													256.1	250.8	244.9
	COEFF.													-0.028	-0.043	-0.059
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	511.0	174.0	295.5	299.8	295.5	338.2									
	COEFF.	0.670	-0.253	0.080	0.092	0.080	0.197									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	518.8	182.6	286.5	296.0	294.3	295.6									
	COEFF.	0.691	-0.229	0.055	0.081	0.077	0.080									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	14	P436-03	TF-556	1/30/81	30:20: 6:19	0.	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.400	847.7	266.3	365.5	1.735	102.0	561.7	48118.	273.5	574.2	0.50	1.416	0.732

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	198.5			225.3										282.5
	COEFF.	-0.186			-0.112										0.044
290.0	ORIFICE	232	233					234							
	PRESSURE	210.5	202.5					217.1							
	COEFF.	-0.153	-0.174					-0.135							
288.0	ORIFICE	253	254					255							
	PRESSURE	260.5	228.4					246.5							
	COEFF.	-0.016	-0.104					-0.054							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						259.2	248.4	244.3						
	COEFF.						-0.019	-0.049	-0.060						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		234.9					249.0	230.5	231.0	230.5				
	COEFF.		-0.086					-0.047	-0.098	-0.097	-0.098				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							230.9		230.8	231.1	226.2	223.0	214.8	
	COEFF.							-0.097		-0.097	-0.096	-0.110	-0.118	-0.141	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			229.6	231.1	250.9						232.3	217.0	204.6	
	COEFF.			-0.101	-0.096	-0.042						-0.093	-0.135	-0.169	
268.0	ORIFICE	216	217					218							
	PRESSURE	446.5	398.7					318.9							
	COEFF.	0.493	0.362					0.144							
260.0	ORIFICE	207			208										209
	PRESSURE	449.0			401.7										195.9
	COEFF.	0.500			0.371										-0.193

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
17	14	P436-03	TF-556	1/30/81	30:20: 6:19	0	288	02-27-81	16/ 3	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.400	847.7	266.3	365.5	1.735	102.0	561.7	48118.	273.5	574.2	0.50	1.416	0.732

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			173.0			174.1	212.5		210.9		
	COEFFICIENT			-0.255			-0.252	-0.147		-0.152		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				176.1		182.6	191.6		203.4		
	COEFFICIENT				-0.247		-0.229	-0.205		-0.172		
	ORIFICE							276		277		
277.5	PRESSURE							265.7		208.3		
	COEFFICIENT							-0.002		-0.159		
	ORIFICE						271	272		273		274
276.0	PRESSURE						159.0	127.0		252.6		193.6
	COEFFICIENT						-0.294	-0.381		-0.037		-0.199

	ORIFICE	291R	292R
260.0	PRESSURE	273.2	273.5
	COEFFICIENT	0.019	0.020

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	177.0	191.4
	COEFFICIENT	-0.244	-0.205

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.0	0.0		0.035		0.068	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.0	0.062		0.114		0.103	0.043
273.0	ORIFICE	401	402		403		404	
	VALUE	0.057	0.0		0.0		0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
17	15	P436-03	TF-556	1/30/81	30:20: 6:42	0	288	02-27-81	16/	3	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.397	857.7	270.6	369.8	1.756	102.2	561.9	47788.	277.9	579.8	0.50	1.415	0.72*

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	416.3	152.5	298.2	307.9	303.2	370.6									
COEFF.	0.394	-0.319	-0.075	-0.101	-0.088	0.270									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	503.9	166.1	286.6	317.3	304.2	399.7									
COEFF.	0.631	-0.283	0.043	0.126	0.091	0.349									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							296.5	298.5	263.6	226.6	223.7	236.7			
COEFF.							0.070	0.075	-0.019	-0.119	-0.127	-0.092			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											220.1	223.0	221.8		
COEFF.											-0.137	-0.129	-0.132		
ORIFICE	220	221	222												
278.0 PRESSURE	514.5	179.2	285.2												
COEFF.	0.660	-0.247	0.039												
ORIFICE				223	224	225									
277.0 PRESSURE				307.5	301.0	402.8									
COEFF.				0.100	0.082	0.357									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											259.7	254.3	248.3		
COEFF.											-0.029	-0.044	-0.060		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	517.6	176.1	299.0	303.9	299.5	340.8									
COEFF.	0.668	-0.255	0.077	0.090	0.078	0.190									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	525.6	185.5	290.3	300.1	298.3	299.2									
COEFF.	0.690	-0.230	0.053	0.080	0.075	0.077									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	15	P436-03	TF-556	1/30/81	30:20: 6:42	0.	288	02-27-81	16/	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.397	857.7	270.6	369.8	1.756	102.2	561.9	47788.	277.9	579.8	0.50	1.415	0.724

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	200.9			225.9										286.2
	COEFF.	-0.189			-0.121										0.042
290.0	ORIFICE	232	233				234								
	PRESSURE	213.6	205.1				219.9								
	COEFF.	-0.154	-0.177				-0.137								
288.0	ORIFICE	253	254				255								
	PRESSURE	259.1	231.2				249.7								
	COEFF.	-0.031	-0.106				-0.057								
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					262.1	252.1	247.8							
	COEFF.					-0.023	-0.050	-0.062							
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		238.0				251.8	233.1	234.1	232.7					
	COEFF.		-0.088				-0.051	-0.101	-0.099	-0.102					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						233.8		234.1	234.0	228.4	224.6	216.6		
	COEFF.						-0.099		-0.099	-0.099	-0.114	-0.124	-0.146		
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			232.2	233.7	254.2						235.6	220.1	206.8	
	COEFF.			-0.104	-0.100	-0.044						-0.094	-0.137	-0.172	
268.0	ORIFICE	216	217				218								
	PRESSURE	452.5	404.4				323.6								
	COEFF.	0.492	0.362				0.143								
260.0	ORIFICE	207			208										209
	PRESSURE	455.8			407.1										197.7
	COEFF.	0.501			0.369										-0.197

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	15	P436-03	TF-556	1/30/81	30:20: 6:42	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.397	857.7	270.6	369.8	1.756	102.2	561.9	47788.	277.9	579.8	-0.50	1.415	0.724

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			175.0			176.0	213.7		212.8		
	COEFFICIENT			-0.258			-0.256	-0.154		-0.156		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				178.3		184.6	193.7		204.8		
	COEFFICIENT				-0.250		-0.233	-0.208		-0.178		
	ORIFICE							276		277		
277.5	PRESSURE							270.5		209.8		
	COEFFICIENT							-0.000		-0.164		
	ORIFICE						271	272		273		274
276.0	PRESSURE						159.6	126.8		256.9		195.3
	COEFFICIENT						-0.300	-0.389		-0.037		-0.204
	ORIFICE	2918	2928									
260.0	PRESSURE	279.2	279.3									
	COEFFICIENT	0.023	0.024									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						178.9			193.3		
	COEFFICIENT						-0.248			-0.209		

KULITE RMS VALUES

287.0	ORIFICE				410	411		412		413		
	VALUE				0.0	0.0		0.032		0.069		
278.0	ORIFICE				405	406		407		408	409	
	VALUE				0.0	0.064		0.117		0.107	0.044	
273.0	ORIFICE				401	402		403		404		
	VALUE				0.057	0.0		0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P430-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
17	16	P436-03	TF-556	1/30/81	30:20: 6:54	0	288	02-27-81	16/ 3	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.398	863.3	271.9	372.2	1.766	102.3	562.0	47692.	279.2	584.1	0.50	1.414	0.714

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	418.4	151.1	299.4	309.2	304.3	372.4									
	COEFF.	0.394	-0.324	0.074	0.100	0.087	0.270									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	506.7	165.9	287.9	318.4	305.5	401.8									
	COEFF.	0.631	-0.285	0.043	0.125	0.090	0.349									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							298.3	299.6	265.1	227.2	225.7	238.3			
	COEFF.							0.071	0.075	-0.018	-0.120	-0.124	-0.090			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											221.0	223.6	222.6		
	COEFF.											-0.137	-0.130	-0.132		
	ORIFICE	220	221	222												
278.0	PRESSURE	517.3	179.1	286.4												
	COEFF.	0.659	-0.249	0.039												
	ORIFICE				223	224	225									
277.0	PRESSURE				308.9	302.1	404.6									
	COEFF.				0.099	0.081	0.357									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												260.9	255.4	249.5	
	COEFF.												-0.029	-0.044	-0.060	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	520.5	176.2	300.6	305.2	300.7	343.0									
	COEFF.	0.668	-0.257	0.077	0.089	0.078	0.191									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	528.8	185.7	291.6	301.4	299.5	300.5									
	COEFF.	0.690	-0.231	0.053	0.079	0.074	0.077									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	16	P436-03	TF-556	1/30/81	30:20: 6:54	0.	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.398	863.3	271.9	372.2	1.766	102.3	562.0	47692.	279.2	584.1	0.50	1.414	0.719

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	201.3			225.7										286.9
	COEFF.	-0.190			-0.124										0.040
290.0	ORIFICE	232	233					234							
	PRESSURE	214.1	205.5					220.3							
	COEFF.	-0.155	-0.178					-0.139							
288.0	ORIFICE	253	254					255							
	PRESSURE	256.8	231.7					250.8							
	COEFF.	-0.041	-0.108					-0.057							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						263.6	253.2	249.1						
	COEFF.						-0.022	-0.050	-0.061						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		238.7					252.9	235.3	235.6	233.4				
	COEFF.		-0.089					-0.051	-0.098	-0.097	-0.103				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							234.7		234.6	234.9	229.3	228.7	217.7	
	COEFF.							-0.100		-0.100	-0.099	-0.114	-0.116	-0.146	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			233.1	234.6	255.1						236.3	220.5	207.3	
	COEFF.			-0.104	-0.100	-0.045						-0.096	-0.138	-0.174	
268.0	ORIFICE	216	217					218							
	PRESSURE	455.2	406.3					325.1							
	COEFF.	0.492	0.361					0.143							
260.0	ORIFICE	207			208										209
	PRESSURE	458.4			410.1										197.8
	COEFF.	0.501			0.371										-0.199

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEL	CART	
17	16	P436-03	TF-556	1/30/81	30	20	6	54	0	288	02-27-81	16/ 3	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.398	863.3	271.9	372.2	1.766	102.3	562.0	47692	279.2	584.1	0.50	1.414	0.719

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			175.4			176.3	214.7		213.4		
	COEFFICIENT			-0.259			-0.257	-0.154		-0.157		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				178.6		184.8	194.1		205.1		
	COEFFICIENT				-0.250		-0.234	-0.209		-0.179		
	ORIFICE							276		277		
277.5	PRESSURE							272.0		210.1		
	COEFFICIENT							0.000		-0.169		
	ORIFICE						271	272		273		274
276.0	PRESSURE						159.1	126.0		258.2		195.4
	COEFFICIENT						-0.303	-0.392		-0.037		-0.205

	ORIFICE	291B	292B
260.0	PRESSURE	280.2	280.2
	COEFFICIENT	0.022	0.022

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						179.0			193.4		
	COEFFICIENT						-0.249			-0.211		

KULITE RMS VALUES

287.0	ORIFICE			410	411		412		413
	VALUE			0.0	0.0		0.034		0.070
278.0	ORIFICE			405	406		407		408	409
	VALUE			0.0	0.064		0.117		0.107	0.044
273.0	ORIFICE			401	402		403		404
	VALUE			0.057	0.0		0.0		0.0

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELBI	PROD DATE	WINDOFF	SEI	CART	
17	17	P436-03	TF-556	1/30/81	30:20: 8:39	0	288	02-27-81	16/ 3	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.891	729.3	435.4	242.0	1.432	98.1	557.8	37849.	442.0	287.3	0.50	1.229	0.851

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	528.6	442.9	451.7	462.6	456.4	437.5									
	COEFF.	0.385	0.031	0.067	0.112	0.087	0.009									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	571.4	435.8	452.7	459.2	465.4	470.0									
	COEFF.	0.562	0.002	0.072	0.098	0.124	0.143									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							413.4	414.9	395.5	384.4	379.4	383.3			
	COEFF.							-0.091	-0.085	-0.165	-0.211	-0.231	-0.215			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												376.4	375.4	373.1	
	COEFF.												-0.244	-0.248	-0.257	
	ORIFICE	220	221	222												
278.0	PRESSURE	582.7	423.4	444.7												
	COEFF.	0.609	-0.049	0.039												
	ORIFICE				223	224	225									
277.0	PRESSURE				452.2	459.1	505.5									
	COEFF.				0.069	0.098	0.290									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												393.9	392.1	390.0	
	COEFF.												-0.171	-0.179	-0.187	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	588.2	427.0	450.2	448.9	455.6	510.1									
	COEFF.	0.632	-0.035	0.061	0.056	0.083	0.309									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	596.6	423.9	444.1	446.3	452.9	505.1									
	COEFF.	0.666	-0.047	0.036	0.045	0.072	0.288									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
17	17	P436-03	TF-556	1/30/81	30:20: 8:39	0	288	02-27-81	16/ 3	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.891	729.3	435.4	242.0	1.432	98.1	557.8	37849.	442.0	287.3	0.50	1.229	0.851

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	362.5			379.8										384.7
	COEFF.	-0.301			-0.229										-0.209
290.0	ORIFICE	232	233					234							
	PRESSURE	368.6	376.6					382.9							
	COEFF.	-0.276	-0.243					-0.217							
288.0	ORIFICE	253	254					255							
	PRESSURE	279.6	377.7					382.5							
	COEFF.	-0.644	-0.238					-0.219							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						387.5	387.4	387.2						
	COEFF.						-0.198	-0.198	-0.199						
285.0	ORIFICE			251				252	*319*	*320*	*321*				
	PRESSURE			373.8				379.2	384.2	383.2	376.8				
	COEFF.			-0.255				-0.232	-0.211	-0.216	-0.242				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							378.9		377.3	378.8	377.2	377.8	371.8	
	COEFF.							-0.233		-0.240	-0.234	-0.241	-0.238	-0.263	
275.0	ORIFICE				*294*	*295*	*296*					*297*	*298*	*299*	
	PRESSURE				387.2	389.5	408.0					386.8	378.7	376.8	
	COEFF.				-0.199	-0.190	-0.113					-0.201	-0.234	-0.242	
268.0	ORIFICE	216	217					218							
	PRESSURE	504.1	456.2					433.0							
	COEFF.	0.284	0.086					-0.010							
260.0	ORIFICE	207			208										209
	PRESSURE	524.3			467.3										359.8
	COEFF.	0.368			0.132										-0.312

DATE: 2-[illegible]-81 PROJECT NO. P430-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
17	17	P430-03	TF-556	1/30/81	30	20	8	39	0	288	02-27-81	16/ 3	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.891	729.3	435.4	242.0	1.432	98.1	557.8	37849.	442.0	287.3	0.50	1.229	0.851

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			369.0			361.1	362.6		368.9		
	COEFFICIENT			-0.274			-0.307	-0.301		-0.274		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				366.9		360.3	365.8		369.0		
	COEFFICIENT				-0.283		-0.310	-0.288		-0.274		
	ORIFICE							276		277		
277.5	PRESSURE							439.2		358.9		
	COEFFICIENT							0.016		-0.316		
	ORIFICE						271	272		273		274
276.0	PRESSURE						352.3	308.7		420.0		364.2
	COEFFICIENT						-0.343	-0.524		-0.063		-0.294
	ORIFICE	2918	2928									
260.0	PRESSURE	454.2	454.8									
	COEFFICIENT	0.078	0.080									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						361.1			372.7		
	COEFFICIENT						-0.307			-0.259		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.072	0.058			0.066		0.069		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.034			0.120		0.104	0.042	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.051	0.0			0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	3	P436-03	TF-556	1/30/81	30	22	1	23	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.754	913.7	626.6	249.5	1.646	101.4	561.1	30029.	634.7	279.0	0.50	1.160	0.852

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	718.4	637.1	644.4	652.0	643.2	614.9									
	COEFF.	0.368	0.042	0.071	0.102	0.066	-0.047									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	759.1	637.9	649.3	652.4	654.5	644.7									
	COEFF.	0.531	0.045	0.091	0.103	0.112	0.072									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							601.8	603.9	581.9	573.2	570.6	572.1			
	COEFF.							-0.100	-0.091	-0.179	-0.214	-0.225	-0.218			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													566.6	566.8	565.0
	COEFF.													-0.241	-0.240	-0.247
	ORIFICE	220	221	222												
278.0	PRESSURE	768.3	629.9	644.1												
	COEFF.	0.568	0.013	0.070												
	ORIFICE				223	224	225									
277.0	PRESSURE				650.6	653.7	681.2									
	COEFF.				0.096	0.108	0.219									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													587.8	586.2	584.4
	COEFF.													-0.156	-0.162	-0.169
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	769.9	630.2	647.4	648.8	653.1	688.1									
	COEFF.	0.574	0.014	0.083	0.089	0.106	0.246									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	774.4	628.3	643.1	646.6	650.4	686.8									
	COEFF.	0.592	0.007	0.066	0.080	0.095	0.241									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	3	P436-03	TF-556	1/30/81	30:22: 1:23	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.754	913.7	626.6	249.5	1.646	101.4	561.1	30029.	634.7	279.0	0.50	1.160	0.852

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	583.0			586.8										598.1
	COEFF.	-0.175			-0.160										-0.114
290.0	ORIFICE	232	233					234							
	PRESSURE	568.1	571.7					579.2							
	COEFF.	-0.235	-0.220					-0.190							
288.0	ORIFICE	253	254					255							
	PRESSURE	536.2	571.4					579.1							
	COEFF.	-0.362	-0.221					-0.191							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						578.9	579.5	578.4						
	COEFF.						-0.191	-0.189	-0.193						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		568.4					578.4	577.4	577.4	576.2				
	COEFF.		-0.233					-0.193	-0.197	-0.197	-0.202				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							574.0		574.1	574.1	574.0	573.6	572.1	
	COEFF.							-0.211		-0.210	-0.210	-0.211	-0.213	-0.219	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			582.2	586.0	598.4						583.8	580.5	578.1	
	COEFF.			-0.178	-0.163	-0.113						-0.172	-0.185	-0.194	
268.0	ORIFICE	216	217					218							
	PRESSURE	677.2	641.7					620.0							
	COEFF.	0.203	0.060					-0.027							
260.0	ORIFICE	207			208										209
	PRESSURE	698.0			649.8										571.4
	COEFF.	0.286			0.093										-0.221

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	3	P43G-03	TF-556	1/30/81	30	22	1	23	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.754	913.7	626.6	249.5	1.646	101.4	561.1	30029.	634.7	279.0	0.50	1.160	0.852

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			572.5			564.0	567.8		572.4		
	COEFFICIENT			-0.217			-0.251	-0.236		-0.217		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			571.2			564.1	567.8		573.3		
	COEFFICIENT			-0.222			-0.250	-0.236		-0.214		
	ORIFICE							276		277		
277.5	PRESSURE							623.0		578.6		
	COEFFICIENT							-0.015		-0.196		
	ORIFICE						271	272		273		274
276.0	PRESSURE						563.1	537.5		605.1		576.9
	COEFFICIENT						-0.254	-0.357		-0.086		-0.199

	ORIFICE	291B	292B
260.0	PRESSURE	637.1	637.4
	COEFFICIENT	0.042	0.043

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	564.9	577.4
	COEFFICIENT	-0.247	-0.197

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.077	0.071		0.077		0.081	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.0	0.048		0.152		0.125	0.046
273.0	ORIFICE	401	402		403		404	
	VALUE	0.053	0.023		0.0		0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	4	P436-03	TF-556	1/30/81	30	22	8	17	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1572.1	1031.5	461.9	2.924	100.7	560.4	18564.	1046.3	525.8	0.50	1.165	0.352

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1202.7	1050.5	1063.7	1079.4	1067.0	1018.9									
COEFF.	-0.371	0.041	0.070	0.104	0.077	-0.027									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1283.2	1052.5	1073.8	1079.5	1086.6	1071.0									
COEFF.	0.545	0.045	0.091	0.104	0.119	0.085									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							993.7	999.6	959.0	933.9	931.0	933.2			
COEFF.							-0.082	-0.069	-0.157	-0.211	-0.217	-0.213			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													924.5	923.9	922.0
COEFF.													-0.232	-0.233	-0.237
ORIFICE	220	221	222												
278.0 PRESSURE	1299.2	1037.7	1064.5												
COEFF.	0.580	0.013	0.071												
ORIFICE				223	224	225									
277.0 PRESSURE				1077.3	1082.6	1142.4									
COEFF.				0.099	0.111	0.240									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													964.5	960.8	957.5
COEFF.													-0.145	-0.153	-0.160
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1302.5	1038.2	1071.4	1073.6	1080.9	1153.3									
COEFF.	0.587	0.015	0.086	0.091	0.107	0.264									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1311.6	1034.5	1060.8	1068.5	1075.8	1148.2									
COEFF.	0.606	0.006	0.064	0.080	0.096	0.253									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	4	P436-03	TF-556	1/30/81	30	22	8	17	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1572.1	1031.5	461.9	2.924	100.7	560.4	18564.	1046.3	525.8	0.50	1.165	0.352

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	956.1			964.8										983.6
	COEFF.	-0.163			-0.144										-0.104
290.0	ORIFICE	232	233					234							
	PRESSURE	923.7	933.2					946.9							
	COEFF.	-0.233	-0.213					-0.183							
286.0	ORIFICE	253	254					255							
	PRESSURE	824.9	933.0					949.4							
	COEFF.	-0.447	-0.213					-0.178							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						948.2	948.6	947.8						
	COEFF.						-0.180	-0.179	-0.181						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		927.5					949.5	945.7	946.3	946.0				
	COEFF.		-0.225					-0.177	-0.186	-0.184	-0.185				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							939.6		938.9	939.7	938.5	938.2	935.2	
	COEFF.							-0.199		-0.200	-0.199	-0.201	-0.202	-0.209	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			957.2	964.6	983.9						959.4	952.9	949.7	
	COEFF.			-0.161	-0.145	-0.103						-0.156	-0.170	-0.177	
268.0	ORIFICE	216	217					218							
	PRESSURE	1132.1	1063.8					1022.3							
	COEFF.	0.218	0.070					-0.020							
260.0	ORIFICE	207			208										209
	PRESSURE	1169.1			1078.9										933.2
	COEFF.	0.298			0.103										-0.213

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	4	P436-03	TF-556	1/30/81	30:	22:	8:	17	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1572.1	1031.5	461.9	2.924	100.7	560.4	18564.	1046.3	525.8	0.50	1.165	0.352

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			933.3			918.1	929.2		937.9		
	COEFFICIENT			-0.213			-0.246	-0.221		-0.203		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				932.0		919.5	926.4		939.5		
	COEFFICIENT				-0.215		-0.242	-0.227		-0.199		
	ORIFICE							276		277		
277.5	PRESSURE							1011.8		950.9		
	COEFFICIENT							-0.043		-0.174		
	ORIFICE						271	272		273		274
276.0	PRESSURE						918.0	864.1		980.5		946.8
	COEFFICIENT						-0.246	-0.362		-0.110		-0.183
	ORIFICE	2918	2928									
260.0	PRESSURE	1046.2	1046.4									
	COEFFICIENT	0.032	0.032									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						920.5			945.2		
	COEFFICIENT						-0.240			-0.187		

KULITE RMS VALUES

287.0	ORIFICE	410	411			412		413	
	VALUE	0.150	0.148			0.140		0.153	
278.0	ORIFICE	405	406			407		408	409
	VALUE	0.0	0.093			0.252		0.213	0.078
273.0	ORIFICE	401	402			403		404	
	VALUE	0.062	0.041			0.029		0.033	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16I
20	5	P436-03	TF-556	1/30/81	30	22	8	35	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.799	1572.9	1032.9	461.6	2.924	100.7	560.4	18531.	1047.7	525.2	0.50	1.163	0.352

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE		236	237	238	239	240	241									
300.0	PRESSURE		1283.4	1051.5	1065.1	1080.5	1067.2	1020.0									
	COEFF.		0.369	0.040	0.070	0.103	0.074	-0.028									
	ORIFICE		226	227	228	229	230	231									
290.0	PRESSURE		1283.4	1053.6	1074.8	1080.6	1087.2	1071.6									
	COEFF.		0.543	0.045	0.091	0.103	0.118	0.084									
	ORIFICE								*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE								995.5	1001.3	961.0	936.2	933.7	935.3			
	COEFF.								-0.081	-0.069	-0.156	-0.210	-0.215	-0.211			
	ORIFICE														*301*	*302*	*303*
282.0	PRESSURE														927.4	926.0	923.8
	COEFF.														-0.229	-0.232	-0.236
	ORIFICE		220	221	222												
278.0	PRESSURE		1299.7	1038.9	1065.8												
	COEFF.		0.578	0.013	0.071												
	ORIFICE					223	224	225									
277.0	PRESSURE					1078.5	1083.4	1142.9									
	COEFF.					0.099	0.110	0.238									
	ORIFICE														*291*	*292*	*293*
275.0	PRESSURE														965.8	962.3	958.9
	COEFF.														-0.145	-0.153	-0.160
	ORIFICE		210	211	212	213	214	215									
268.0	PRESSURE		1302.5	1039.6	1072.4	1074.5	1081.5	1153.7									
	COEFF.		0.584	0.014	0.086	0.090	0.105	0.262									
	ORIFICE		201	202	203	204	205	206									
260.0	PRESSURE		1311.5	1035.8	1062.1	1069.4	1076.6	1148.5									
	COEFF.		0.604	0.006	0.063	0.079	0.095	0.251									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	5	P436-03	TF-556	1/30/81	30	22	8	35	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.799	1572.9	1032.9	461.6	2.924	100.7	560.4	18531.	1047.7	525.2	0.50	1.163	0.352

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	957.8			966.5										985.1
	COEFF.	-0.163			-0.144										-0.104
290.0	ORIFICE	232	233					234							
	PRESSURE	925.7	935.0					949.3							
	COEFF.	-0.232	-0.212					-0.181							
288.0	ORIFICE	253	254					255							
	PRESSURE	842.8	934.5					951.6							
	COEFF.	-0.412	-0.213					-0.176							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						950.0	950.7	949.8						
	COEFF.						-0.180	-0.178	-0.180						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		929.5					951.6	948.2	948.5	948.1				
	COEFF.		-0.224					-0.176	-0.183	-0.183	-0.184				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							941.6		941.8	942.4	942.0	941.1	938.1	
	COEFF.							-0.198		-0.197	-0.196	-0.197	-0.199	-0.205	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			958.7	965.8	986.4						961.7	955.0	951.8	
	COEFF.			-0.161	-0.145	-0.101						-0.154	-0.169	-0.176	
268.0	ORIFICE	216	217					218							
	PRESSURE	1132.7	1064.7					1023.6							
	COEFF.	0.216	0.069					-0.020							
260.0	ORIFICE	207			208										209
	PRESSURE	1169.5			1079.8										935.6
	COEFF.	0.296			0.102										-0.211

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	5	P43G-03	TF-556	1/30/81	30:22: 8:35	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.799	1572.9	1032.9	461.6	2.924	100.7	560.4	18531.	1047.7	525.2	0.50	1.163	0.352

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			935.0			920.2	931.3		939.8		
	COEFFICIENT			-0.212			-0.244	-0.220		-0.202		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				934.0		921.3	928.1		941.2		
	COEFFICIENT				-0.214		-0.242	-0.227		-0.199		
	ORIFICE							276		277		
277.5	PRESSURE							1013.6		952.9		
	COEFFICIENT							-0.042		-0.163		
	ORIFICE						271	272		273		274
276.0	PRESSURE						919.5	866.4		982.2		948.5
	COEFFICIENT						-0.246	-0.361		-0.110		-0.183
	ORIFICE	2918	2928									
260.0	PRESSURE	1048.2	1048.5									
	COEFFICIENT	0.033	0.034									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						922.0			946.7		
	COEFFICIENT						-0.240			-0.187		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.150	0.146			0.139		0.154		
276.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.092			0.255		0.217	0.076	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.062	0.040			0.028		0.033		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	6	P43G-03	TF-556	1/30/81	30	22	8	53	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.812	1589.7	1030.9	475.3	2.976	101.0	560.7	18579.	1045.9	543.8	0.50	1.183	0.348

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1207.1	1051.0	1064.5	1080.8	1067.6	1019.3									
	COEFF.	-0.371	-0.042	-0.071	-0.105	-0.077	-0.024									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1288.8	1052.6	1074.3	1081.2	1087.7	1072.8									
	COEFF.	0.543	0.046	0.091	0.106	0.120	0.088									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							992.6	998.2	956.2	930.2	927.2	929.1			
	COEFF.							-0.080	-0.069	-0.157	-0.212	-0.216	-0.214			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													920.6	919.8	917.9
	COEFF.													-0.232	-0.234	-0.238
	ORIFICE	220	221	222												
278.0	PRESSURE	1305.6	1037.4	1064.9												
	COEFF.	0.578	0.014	0.072												
	ORIFICE				223	224	225									
277.0	PRESSURE				1078.2	1083.6	1145.6									
	COEFF.				0.100	0.111	0.241									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													961.4	957.7	954.4
	COEFF.													-0.146	-0.154	-0.161
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1306.7	1038.3	1072.0	1074.3	1081.3	1156.6									
	COEFF.	0.584	0.016	0.087	0.091	0.106	0.265									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1317.5	1034.1	1060.9	1068.7	1076.2	1150.8									
	COEFF.	0.603	0.007	0.063	0.080	0.095	0.252									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	6	P436-03	TF-556	1/30/81	30:	22:	8:	53	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.812	1589.7	1030.9	475.3	2.976	101.0	560.7	18579.	1045.9	543.8	0.50	1.183	0.348

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	953.9			964.0										983.4
	COEFF.	-0.162			-0.141										-0.100
290.0	ORIFICE	232	233					234							
	PRESSURE	919.5	930.0					945.9							
	COEFF.	-0.234	-0.212					-0.179							
288.0	ORIFICE	253	254					255							
	PRESSURE	857.7	929.5					948.2							
	COEFF.	-0.364	-0.213					-0.174							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						946.1	947.1	945.9						
	COEFF.						-0.178	-0.176	-0.179						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		924.1					948.3	943.6	944.3	944.3				
	COEFF.		-0.225					-0.174	-0.184	-0.182	-0.182				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							937.7		940.4	938.4	937.4	936.2	933.5	
	COEFF.							-0.196		-0.190	-0.195	-0.197	-0.199	-0.205	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			954.3	961.8	981.8						956.8	949.7	946.8	
	COEFF.			-0.161	-0.145	-0.103						-0.156	-0.171	-0.177	
268.0	ORIFICE	216	217					218							
	PRESSURE	1135.3	1064.1					1021.6							
	COEFF.	0.220	0.070					-0.020							
260.0	ORIFICE	207			208										209
	PRESSURE	1173.2			1080.1										931.3
	COEFF.	0.300			0.104										-0.209

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD	DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	6	P436-03	TF-556	1/30/81	30:	22:	8:	53	0	288		02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.812	1589.7	1030.9	475.3	2.976	101.0	560.7	18579.	1045.9	543.8	0.50	1.183	0.348

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			929.3			914.4	926.0		935.9		
	COEFFICIENT			-0.214			-0.245	-0.221		-0.200		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				928.3		916.0	923.0		937.6		
	COEFFICIENT				-0.216		-0.242	-0.227		-0.196		
	ORIFICE							276		277		
277.5	PRESSURE							1009.8		948.3		
	COEFFICIENT							-0.044		-0.174		
	ORIFICE						271	272		273		274
276.0	PRESSURE						914.0	858.4		977.8		944.1
	COEFFICIENT						-0.246	-0.363		-0.112		-0.183

	ORIFICE	291B	292B
260.0	PRESSURE	1046.2	1046.7
	COEFFICIENT	0.032	0.033

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						916.4			941.8		
	COEFFICIENT						-0.241			-0.187		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.153	0.148		0.140		0.157		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.093		0.257		0.217	0.078	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.062	0.040		0.029		0.034		

ACCELEROMETER RMS VALUES

1	2	3
0.0880	0.0680	0.0880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	7	P436-03	TF-556	1/30/81	30:22: 9:13	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.859	1588.6	981.4	506.7	3.041	102.7	562.4	19758.	996.6	592.0	0.50	1.212	0.349

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1170.3	1005.7	1019.7	1038.5	1028.2	982.6									
	COEFF.	0.373	0.048	0.075	0.113	0.092	0.002									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1259.3	1008.3	1031.2	1037.1	1048.4	1035.9									
	COEFF.	0.548	0.053	0.098	0.110	0.132	0.108									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							948.5	953.2	904.9	876.0	874.8	877.0			
	COEFF.							-0.065	-0.056	-0.151	-0.208	-0.210	-0.206			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													866.4	865.8	864.1
	COEFF.													-0.227	-0.228	-0.232
	ORIFICE	220	221	222												
278.0	PRESSURE	1276.9	993.3	1021.6												
	COEFF.	0.583	0.023	0.079												
	ORIFICE				223	224	225									
277.0	PRESSURE				1035.9	1042.6	1115.3									
	COEFF.				0.108	0.121	0.264									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													912.6	908.6	905.4
	COEFF.													-0.136	-0.144	-0.150
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1280.9	994.6	1030.1	1032.2	1039.3	1124.9									
	COEFF.	0.591	0.026	0.096	0.100	0.114	0.283									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1290.3	989.8	1017.8	1026.3	1033.0	1116.8									
	COEFF.	0.609	0.016	0.072	0.089	0.102	0.267									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD. DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	7	P436-03	TF-556	1/30/81	30	22	9	13	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.859	1588.6	981.4	506.7	3.041	102.7	562.4	19758.	996.6	592.0	0.50	1.212	0.346

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
300.0	ORIFICE	242			243										244
	PRESSURE	908.0			922.7										944.3
	COEFF.	-0.145			-0.116										-0.073
290.0	ORIFICE	232	233					234							
	PRESSURE	866.7	879.9					898.1							
	COEFF.	-0.226	-0.200					-0.164							
288.0	ORIFICE	253	254					255							
	PRESSURE	860.1	879.0					901.4							
	COEFF.	-0.240	-0.202					-0.158							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						896.5	897.8	896.4						
	COEFF.						-0.168	-0.165	-0.168						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		874.0					903.0	895.1	897.0	899.3				
	COEFF.		-0.212					-0.155	-0.170	-0.167	-0.162				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							889.2		890.0	891.3	889.8	888.5	886.8	
	COEFF.							-0.182		-0.180	-0.178	-0.181	-0.184	-0.187	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			906.1	914.7	934.7						908.8	902.6	899.0	
	COEFF.			-0.149	-0.132	-0.092						-0.143	-0.156	-0.163	
268.0	ORIFICE	216	217					218							
	PRESSURE	1102.5	1024.0					977.6							
	COEFF.	0.239	0.084					-0.007							
260.0	ORIFICE	207			208										209
	PRESSURE	1140.4			1040.1										884.8
	COEFF.	0.314			0.116										-0.191

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	7	P436-03	TF-556	1/30/81	30:22: 9:13	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.859	1588.6	981.4	506.7	3.041	102.7	562.4	19758.	996.6	592.0	0.50	1.212	0.348

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
282.0	ORIFICE			282			283	284		285		
	PRESSURE			878.2			864.6	879.9		889.7		
	COEFFICIENT			-0.204			-0.231	-0.200		-0.161		
280.0	ORIFICE			278			279	280		281		
	PRESSURE			877.4			865.7	873.6		891.9		
	COEFFICIENT			-0.205			-0.228	-0.213		-0.177		
277.5	ORIFICE							276		277		
	PRESSURE							957.0		901.0		
	COEFFICIENT							-0.048		-0.159		
276.0	ORIFICE						271	272		273		274
	PRESSURE						865.5	803.2		926.9		899.4
	COEFFICIENT						-0.229	-0.352		-0.108		-0.162
260.0	ORIFICE	291B	292B									
	PRESSURE	987.6	987.2									
	COEFFICIENT	0.012	0.011									

INSIDE PRESSURE ORIFICES

276.0	ORIFICE						261			262		
	PRESSURE						865.3			893.9		
	COEFFICIENT						-0.229			-0.173		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.163	0.161		0.150		0.164		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.097		0.259		0.223	0.082	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.062	0.041		0.030		0.034		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	8	P436-03	TF-556	1/30/81	30:	22:	9:	25	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.889	1572.1	940.5	520.5	3.047	103.5	563.2	20772.	955.5	616.6	0.50	1.228	0.352

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1137.0	967.4	981.9	1002.7	993.2	948.7									
COEFF.	0.378	0.052	0.080	0.120	0.101	0.016									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1229.3	969.4	993.3	999.6	1014.1	1005.4									
COEFF.	0.555	0.056	0.102	0.114	0.141	0.125									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							908.1	913.0	861.7	830.1	829.4	832.0			
COEFF.							-0.062	-0.053	-0.151	-0.212	-0.213	-0.208			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													821.2	820.3	818.4
COEFF.													-0.229	-0.231	-0.234
ORIFICE	220	221	222												
278.0 PRESSURE	1247.3	953.6	982.7												
COEFF.	0.589	0.025	0.081												
ORIFICE				223	224	225									
277.0 PRESSURE				997.8	1005.8	1086.2									
COEFF.				0.110	0.125	0.280									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													869.5	864.9	861.7
COEFF.													-0.136	-0.145	-0.151
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1251.3	955.4	991.6	993.8	1001.3	1094.7									
COEFF.	0.597	0.029	0.099	0.102	0.117	0.296									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1261.4	949.5	979.2	988.3	995.3	1085.7									
COEFF.	0.617	0.017	0.074	0.092	0.105	0.279									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	8	P436-03	TF-556	1/30/81	30	22	9	25	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.889	1572.1	940.5	520.5	3.047	103.5	563.2	20772.	955.5	616.6	0.50	1.228	0.352

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	865.2			883.7										905.1
	COEFF.	-0.145			-0.109										-0.068
290.0	ORIFICE	232	233				234								
	PRESSURE	818.8	835.8				857.2								
	COEFF.	-0.234	-0.201				-0.160								
288.0	ORIFICE	253	254				255								
	PRESSURE	857.0	834.5				861.0								
	COEFF.	-0.160	-0.204				-0.153								
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					856.1	857.2	856.6							
	COEFF.					-0.162	-0.160	-0.161							
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		828.4				862.9	854.5	855.7	858.0					
	COEFF.		-0.215				-0.149	-0.165	-0.163	-0.158					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						848.3		848.9	850.8	849.4	847.6	845.7		
	COEFF.						-0.177		-0.176	-0.172	-0.175	-0.178	-0.182		
275.0	ORIFICE			*294*	*295*	*296*					*297*	*298*	*299*		
	PRESSURE			862.8	871.6	892.9					865.6	859.1	855.7		
	COEFF.			-0.149	-0.132	-0.091					-0.144	-0.156	-0.163		
268.0	ORIFICE	216	217				218								
	PRESSURE	1072.9	987.9				938.8								
	COEFF.	0.254	0.091				-0.003								
260.0	ORIFICE	207			208										209
	PRESSURE	1112.5			1005.9										841.7
	COEFF.	0.331			0.126										-0.190

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	8	P436-03	TF-556	1/30/81	30:22: 9:25	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.889	1572.1	940.5	520.5	3.047	103.5	563.2	20772.	955.5	616.6	0.50	1.228	0.352

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			833.5			819.3	834.7		847.5		
	COEFFICIENT			-0.205			-0.233	-0.203		-0.179		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			832.3			820.6	828.1		849.7		
	COEFFICIENT			-0.208			-0.230	-0.216		-0.174		
	ORIFICE							276		277		
277.5	PRESSURE							914.8		855.5		
	COEFFICIENT							-0.049		-0.163		
	ORIFICE						271	272		273		274
276.0	PRESSURE						821.1	751.8		885.1		856.6
	COEFFICIENT						-0.229	-0.362		-0.106		-0.161
	ORIFICE	2918	2928									
260.0	PRESSURE	946.8	946.7									
	COEFFICIENT	0.012	0.012									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						818.6			848.9		
	COEFFICIENT						-0.234			-0.176		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.166	0.167		0.152		0.173		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.095		0.251		0.225	0.086	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.062	0.039		0.029		0.032		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
20	9	P436-03	TF-556	1/30/81	30:22:11:29	0	288	02-27-81	19/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.897	1399.0	829.8	467.4	2.740	100.4	560.1	23701.	843.1	555.9	0.50	1.183	0.396

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1009.7	856.5	869.8	888.9	879.5	837.6									
	COEFF.	0.385	0.057	0.085	0.126	0.106	0.017									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1092.0	856.6	878.6	885.3	898.5	892.6									
	COEFF.	0.561	0.057	0.104	0.119	0.147	0.134									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							797.4	801.9	758.4	731.3	729.1	732.0			
	COEFF.							-0.069	-0.060	-0.153	-0.211	-0.215	-0.209			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													721.5	721.1	719.0
	COEFF.													-0.232	-0.233	-0.237
	ORIFICE	220	221	222												
278.0	PRESSURE	1108.4	840.9	868.1												
	COEFF.	0.596	0.024	0.082												
	ORIFICE				223	224	225									
277.0	PRESSURE				881.9	890.6	963.1									
	COEFF.				0.111	0.130	0.285									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													764.7	760.9	757.8
	COEFF.													-0.139	-0.148	-0.154
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1111.5	842.2	875.9	877.6	885.6	971.7									
	COEFF.	0.603	0.027	0.099	0.102	0.119	0.304									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1120.7	836.6	864.5	872.4	879.6	963.5									
	COEFF.	0.622	0.015	0.074	0.091	0.107	0.286									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	9	P436-03	TF-556	1/30/81	30	22	11	29	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.897	1399.0	829.8	467.4	2.740	100.4	560.1	23701.	843.1	555.9	0.50	1.183	0.396

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	757.3			773.8										792.3
	COEFF.	-0.155			-0.120										-0.080
290.0	ORIFICE	232	233					234							
	PRESSURE	717.2	733.7					754.4							
	COEFF.	-0.241	-0.206					-0.161							
288.0	ORIFICE	253	254					255							
	PRESSURE	793.1	732.5					757.2							
	COEFF.	-0.079	-0.208					-0.155							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						754.8	755.6	754.5						
	COEFF.						-0.161	-0.159	-0.161						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		725.8					757.9	753.3	753.9	754.4				
	COEFF.		-0.223					-0.154	-0.164	-0.162	-0.161				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							745.9		745.8	747.3	746.7	745.6	743.0	
	COEFF.							-0.180		-0.180	-0.177	-0.178	-0.180	-0.186	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			758.7	766.4	787.4						759.9	753.6	750.0	
	COEFF.			-0.152	-0.136	-0.091						-0.150	-0.163	-0.171	
268.0	ORIFICE	216	217					218							
	PRESSURE	953.5	873.7					828.7							
	COEFF.	0.265	0.094					-0.003							
260.0	ORIFICE	207			208										209
	PRESSURE	990.1			891.2										735.1
	COEFF.	0.343			0.131										-0.203

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	9	P436-03	TF-556	1/30/81	30	22	11	29	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.897	1399.0	829.8	467.4	2.740	100.4	560.1	23701.	843.1	555.9	0.50	1.183	0.396

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			729.4			717.9	729.7		741.4		
	COEFFICIENT			-0.215			-0.239	-0.214		-0.189		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				728.4		718.0	724.9		743.1		
	COEFFICIENT				-0.217		-0.239	-0.225		-0.186		
	ORIFICE							276		277		
277.5	PRESSURE							811.0		743.4		
	COEFFICIENT							-0.040		-0.185		
	ORIFICE						271	272		273		274
276.0	PRESSURE						716.4	649.6		782.4		747.5
	COEFFICIENT						-0.243	-0.386		-0.101		-0.176

	ORIFICE	291B	292B
260.0	PRESSURE	841.2	841.2
	COEFFICIENT	0.024	0.024

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	717.4	742.6
	COEFFICIENT	-0.241	-0.187

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413			
	VALUE	0.149	0.148	0.140	0.156			
278.0	ORIFICE	405	406	407	408	409		
	VALUE	0.0	0.086	0.215	0.204	0.074		
273.0	ORIFICE	401	402	403	404			
	VALUE	0.059	0.034	0.024	0.028			

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	10	P436-03	TF-556	1/30/81	30:22:11:48	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.898	1386.8	822.1	463.7	2.717	100.5	560.2	23919.	835.2	551.6	0.50	1.183	0.399

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1000.6	848.6	861.8	880.8	871.5	829.3									
COEFF.	0.395	0.057	0.086	0.127	0.107	0.016									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1082.0	848.3	870.1	877.6	890.0	884.5									
COEFF.	0.561	0.056	0.104	0.120	0.147	0.135									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							789.3	795.5	750.9	722.4	721.7	724.3			
COEFF.							-0.071	-0.057	-0.154	-0.215	-0.217	-0.211			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											713.8	713.7	711.9		
COEFF.											-0.234	-0.234	-0.238		
ORIFICE	220	221	222												
278.0 PRESSURE	1098.2	832.3	859.5												
COEFF.	0.596	0.022	0.081												
ORIFICE				223	224	225									
277.0 PRESSURE				873.2	882.0	953.9									
COEFF.				0.110	0.129	0.284									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												756.8	753.0	749.9	
COEFF.												-0.141	-0.149	-0.156	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1101.2	833.3	866.9	868.7	877.0	962.4									
COEFF.	0.602	0.024	0.097	0.101	0.118	0.303									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1110.7	827.9	855.9	863.1	871.1	954.7									
COEFF.	0.622	0.013	0.073	0.089	0.106	0.286									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	10	P43G-03	TF-556	1/30/81	30	22	11	48	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.898	1386.8	822.1	463.7	2.717	100.5	560.2	23919.	835.2	551.6	0.50	1.183	0.39%

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	748.9			763.9										782.9
	COEFF.	-0.158			-0.125										-0.085
290.0	ORIFICE	232	233					234							
	PRESSURE	709.8	725.8					745.6							
	COEFF.	-0.242	-0.208					-0.165							
288.0	ORIFICE	253	254					255							
	PRESSURE	783.1	724.6					748.4							
	COEFF.	-0.084	-0.210					-0.159							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						746.2	747.3	746.4						
	COEFF.						-0.164	-0.161	-0.163						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		718.0					749.0	745.0	745.4	745.7				
	COEFF.		-0.225					-0.158	-0.166	-0.165	-0.165				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							738.6		738.8	738.8	738.0	737.0	734.2	
	COEFF.							-0.180		-0.180	-0.180	-0.181	-0.183	-0.189	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			750.5	758.1	779.5						751.7	745.1	742.5	
	COEFF.			-0.154	-0.138	-0.092						-0.152	-0.166	-0.172	
268.0	ORIFICE	216	217					218							
	PRESSURE	944.7	865.3					820.4							
	COEFF.	0.264'	0.093					-0.004							
260.0	ORIFICE	207			208										209
	PRESSURE	981.6			803.1										726.4
	COEFF.	0.344			0.132										-0.206

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	10	P43G-03	TF-556	1/30/81	30:22:11:48	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.898	1386.8	822.1	463.7	2.717	100.5	560.2	23919.	835.2	551.6	0.50	1.183	0.399

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			722.3			709.5	720.2		733.6		
	COEFFICIENT			-0.215			-0.243	-0.220		-0.191		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				720.9		709.8	716.4		734.9		
	COEFFICIENT				-0.218		-0.242	-0.228		-0.188		
	ORIFICE							276		277		
277.5	PRESSURE							804.0		735.1		
	COEFFICIENT							-0.039		-0.187		
	ORIFICE						271	272		273		274
276.0	PRESSURE						708.6	641.1		775.5		739.3
	COEFFICIENT						-0.245	-0.390		-0.100		-0.178

	ORIFICE	2918	2928
260.0	PRESSURE	834.6	834.6
	COEFFICIENT	0.027	0.027

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	708.8	734.2
	COEFFICIENT	-0.244	-0.190

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413
	VALUE	0.147	0.148		0.139		0.150
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.0	0.083		0.217		0.203	0.075
273.0	ORIFICE	401	402		403		404
	VALUE	0.059	0.033		0.024		0.027

ACCELEROMETER RMS VALUES

1	2	3
0.0860	0.0080	0.0040

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	11	P43G-03	TF-556	1/30/81	30	22	12	1	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.897	1385.5	821.5	463.1	2.713	100.6	560.3	23935.	834.6	550.9	0.50	1.183	0.399

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1000.2	847.8	861.2	880.3	871.2	828.2									
	COEFF.	0.386	0.057	0.086	0.127	0.107	0.014									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1081.0	847.5	869.5	876.6	889.3	884.0									
	COEFF.	0.560	0.056	0.104	0.119	0.146	0.135									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							788.9	794.9	750.7	723.3	721.1	724.1			
	COEFF.							-0.070	-0.057	-0.153	-0.212	-0.217	-0.210			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												714.7	713.7	711.8	
	COEFF.												-0.231	-0.233	-0.237	
	ORIFICE	220	221	222												
278.0	PRESSURE	1097.3	831.4	858.7												
	COEFF.	0.596	0.021	0.080												
	ORIFICE				223	224	225									
277.0	PRESSURE				872.3	881.1	952.8									
	COEFF.				0.110	0.129	0.283									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												756.2	752.5	749.4	
	COEFF.												-0.141	-0.149	-0.156	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1100.3	832.4	866.2	868.1	876.3	961.6									
	COEFF.	0.602	0.024	0.096	0.101	0.118	0.302									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1109.8	826.8	855.2	862.6	870.3	953.9									
	COEFF.	0.623	0.012	0.073	0.089	0.106	0.286									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND-TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	11	P43G-03	TF-556	1/30/81	30:22:12: 1	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.897	1385.5	821.5	463.1	2.713	100.6	560.3	23935.	834.6	550.9	0.50	1.183	0.399

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	747.3			762.9										781.0
	COEFF.	-0.160			-0.127										-0.088
290.0	ORIFICE	232	233					234							
	PRESSURE	708.9	724.9					746.0							
	COEFF.	-0.243	-0.209					-0.163							
288.0	ORIFICE	253	254					255							
	PRESSURE	777.5	723.7					748.3							
	COEFF.	-0.095	-0.211					-0.158							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						746.3	747.3	746.2						
	COEFF.						-0.162	-0.160	-0.163						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		716.8					748.6	745.3	745.9	745.9				
	COEFF.		-0.226					-0.157	-0.165	-0.163	-0.163				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							738.2		737.8	738.6	738.4	737.5	734.1	
	COEFF.							-0.180		-0.181	-0.179	-0.179	-0.181	-0.189	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			749.8	757.0	778.6						751.6	745.1	740.9	
	COEFF.			-0.155	-0.139	-0.093						-0.151	-0.165	-0.174	
268.0	ORIFICE	216	217					218							
	PRESSURE	944.1	864.3					819.5							
	COEFF.	0.265	0.092					-0.004							
260.0	ORIFICE	207			208										209
	PRESSURE	981.2			882.2										725.4
	COEFF.	0.345			0.131										-0.207

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	11	P43G-03	TF-556	1/30/81	30	22	12	1	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.897	1385.5	821.5	463.1	2.713	100.6	560.3	23935.	834.6	550.9	0.50	1.183	0.394

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE		282				283	284		285		
282.0	PRESSURE		721.3				708.4	720.2		733.5		
	COEFFICIENT		-0.216				-0.244	-0.219		-0.190		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			720.3			708.7	714.9		734.5		
	COEFFICIENT			-0.218			-0.243	-0.230		-0.188		
	ORIFICE							276		277		
277.5	PRESSURE							803.4		734.0		
	COEFFICIENT							-0.039		-0.189		
	ORIFICE						271	272		273		274
276.0	PRESSURE						707.5	639.9		774.8		739.0
	COEFFICIENT						-0.246	-0.392		-0.101		-0.178

		291B	292B
260.0	PRESSURE	834.3	835.2
	COEFFICIENT	0.028	0.030

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	708.4	733.0
	COEFFICIENT	-0.244	-0.191

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.146	0.152	0.137	0.156		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.0	0.082	0.218	0.207	0.074	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.059	0.033	0.024	0.027		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	12	P436-03	TF-556	1/30/81	30:22:14:56	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.985	1182.3	564.2	464.8	2.439	101.1	560.8	32306.	575.3	607.0	0.50	1.227	0.442

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	735.3	601.1	613.3	624.2	648.2	641.0									
COEFF.	0.368	0.079	0.105	0.129	0.181	0.165									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	827.2	578.5	612.2	623.1	660.9	691.0									
COEFF.	0.566	0.031	0.103	0.127	0.208	0.273									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							559.7	560.5	507.8	473.5	473.5	486.3			
COEFF.							-0.010	-0.008	-0.121	-0.195	-0.195	-0.168			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													456.7	457.4	455.9
COEFF.													-0.231	-0.230	-0.233
ORIFICE	220	221	222												
278.0 PRESSURE	852.1	558.8	601.2												
COEFF.	0.619	-0.012	0.080												
ORIFICE				223	224	225									
277.0 PRESSURE				605.2	610.0	746.4									
COEFF.				0.088	0.098	0.392									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													512.0	508.4	505.4
COEFF.													-0.112	-0.120	-0.127
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	856.6	567.5	617.1	604.9	611.9	749.1									
COEFF.	0.629	0.007	0.114	0.087	0.102	0.398									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	868.3	581.1	582.9	605.0	612.8	734.9									
COEFF.	0.654	0.036	0.040	0.086	0.105	0.367									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
20	12	P436-03	TF-556	1/30/81	30:22:14:56	0	288	02-27-81	19/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.085	1122.3	564.2	464.8	2.439	101.1	560.8	32306.	575.3	607.0	0.50	1.227	0.442

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
300.0	ORIFICE	242			243										244
	PRESSURE	444.2			535.0										547.8
	COEFF.	-0.258			-0.063										-0.035
290.0	ORIFICE	232	233					234							
	PRESSURE	454.2	474.4					515.2							
	COEFF.	-0.237	-0.193					-0.106							
288.0	ORIFICE	253	254					255							
	PRESSURE	616.6	479.7					510.3							
	COEFF.	0.113	-0.182					-0.116							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						507.4	508.8	508.0						
	COEFF.						-0.122	-0.119	-0.121						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		473.4					508.5	506.1	507.2	506.9				
	COEFF.		-0.195					-0.120	-0.125	-0.123	-0.123				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							485.0		485.8	486.7	494.0	492.1	488.0	
	COEFF.							-0.171		-0.169	-0.167	-0.151	-0.155	-0.164	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			511.9	517.0	539.4						492.1	484.3	479.4	
	COEFF.			-0.113	-0.102	-0.053						-0.155	-0.172	-0.183	
268.0	ORIFICE	216	217					218							
	PRESSURE	750.4	652.6					610.1							
	COEFF.	0.401	0.190					0.099							
260.0	ORIFICE	207			208										209
	PRESSURE	783.1			672.0										467.6
	COEFF.	0.471			0.232										-0.208

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
20	12	P43G-03	TF-556	1/30/81	30:	22:	14:	56	0	288	02-27-81	19/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.085	1182.3	564.2	464.8	2.439	101.1	560.8	32306.	575.3	607.0	0.50	1.227	0.442

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
282.0	ORIFICE			282			283	284		285		
	PRESSURE			455.1			457.3	466.7		471.7		
	COEFFICIENT			-0.235			-0.230	-0.210		-0.199		
280.0	ORIFICE			278			279	280		281		
	PRESSURE			454.8			452.9	460.7		470.1		
	COEFFICIENT			-0.236			-0.240	-0.223		-0.203		
277.5	ORIFICE							276		277		
	PRESSURE							551.3		475.2		
	COEFFICIENT							-0.028		-0.192		
276.0	ORIFICE						271	272		273		274
	PRESSURE						444.6	384.1		514.6		467.6
	COEFFICIENT						-0.257	-0.388		-0.107		-0.208

260.0	ORIFICE	2918	2928
	PRESSURE	575.7	575.9
	COEFFICIENT	0.025	0.025

INSIDE PRESSURE ORIFICES

276.0	ORIFICE	261	262
	PRESSURE	453.1	473.6
	COEFFICIENT	-0.239	-0.195

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413	
	VALUE	0.075	0.114	0.149	0.146	
278.0	ORIFICE	405	406	407	408	409
	VALUE	0.0	0.071	0.123	0.189	0.077
273.0	ORIFICE	401	402	403	404	
	VALUE	0.057	0.027	0.0	0.0	

ACCELEROMETER RMS VALUES

1	2	3
0.0000	0.0000	0.0000

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
20	13	P436-03	TF-556	1/30/81	30:22:15:21	0	288	02-27-81	19/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.116	1190.6	546.8	476.5	2.465	101.2	560.9	32979.	557.9	632.7	0.50	1.237	0.43

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	739.2	574.4	593.6	569.8	642.0	635.2									
	COEFF.	0.404	0.058	0.098	0.048	0.200	0.186									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	829.2	569.6	614.6	609.5	632.3	686.4									
	COEFF.	0.593	0.048	0.142	0.131	0.179	0.293									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							548.8	548.4	492.2	456.8	457.4	473.6			
	COEFF.							0.004	0.003	-0.115	-0.189	-0.186	-0.154			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													436.7	437.7	436.4
	COEFF.													-0.231	-0.229	-0.232
	ORIFICE	220	221	222												
278.0	PRESSURE	845.6	555.4	600.1												
	COEFF.	0.627	0.018	0.112												
	ORIFICE				223	224	225									
277.0	PRESSURE				599.8	576.2	743.5									
	COEFF.				0.111	0.062	0.413									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													495.3	491.3	488.4
	COEFF.													-0.108	-0.116	-0.123
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	848.3	557.8	601.0	598.7	599.6	743.7									
	COEFF.	0.633	0.023	0.114	0.109	0.111	0.413									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	857.0	561.2	576.0	597.4	604.9	724.9									
	COEFF.	0.651	0.030	0.091	0.106	0.122	0.374									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	13	P436-03	TF-556	1/30/81	30	22	15	21	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.116	1190.6	546.8	476.5	2.465	101.2	560.9	32979.	557.9	632.7	0.50	1.237	0.439

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	426.5			531.8										535.7
	COEFF.	-0.252			-0.031										-0.023
290.0	ORIFICE	232	233					234							
	PRESSURE	434.7	455.8					509.4							
	COEFF.	-0.235	-0.191					-0.079							
288.0	ORIFICE	253	254					255							
	PRESSURE	591.3	462.3					502.3							
	COEFF.	0.093	-0.177					-0.093							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						503.9	501.6	499.8						
	COEFF.						-0.090	-0.095	-0.099						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		462.0					497.2	493.9	495.2	495.7				
	COEFF.		-0.178					-0.104	-0.111	-0.108	-0.107				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							468.9		469.5	471.7	479.9	477.5	473.2	
	COEFF.							-0.164		-0.162	-0.158	-0.140	-0.145	-0.155	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			495.4	499.3	521.2						476.0	467.1	461.1	
	COEFF.			-0.108	-0.100	-0.054						-0.149	-0.167	-0.180	
268.0	ORIFICE	216	217					218							
	PRESSURE	749.0	648.2					599.5							
	COEFF.	0.424	0.213					0.111							
260.0	ORIFICE	207			208										209
	PRESSURE	781.4			666.0										448.3
	COEFF.	0.492			0.250										-0.207

DATE. 8-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEL	CART	
20	13	P436-03	TF-556	1/30/81	30	22	15	21	0	288	02-27-81	19/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.116	1190.6	546.8	476.5	2.465	101.2	560.9	32979.	557.9	632.7	0.50	1.237	0.439

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.94	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			434.1			436.3	447.4		454.8		
	COEFFICIENT			-0.237			-0.232	-0.209		-0.193		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				434.1		432.9	440.4		451.9		
	COEFFICIENT				-0.237		-0.239	-0.223		-0.199		
	ORIFICE							276		277		
277.5	PRESSURE							531.6		461.4		
	COEFFICIENT							-0.032		-0.179		
	ORIFICE						271	272		273		274
276.0	PRESSURE						425.7	363.2		495.7		449.0
	COEFFICIENT						-0.254	-0.385		-0.107		-0.205

	ORIFICE	2918	2928
260.0	PRESSURE	554.7	554.9
	COEFFICIENT	0.017	0.017

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	432.5	454.7
	COEFFICIENT	-0.240	-0.193

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.058	0.095		0.153		0.145	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.0	0.077		0.132		0.166	0.078
273.0	ORIFICE	401	402		403		404	
	VALUE	0.058	0.026		0.023		0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.2880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	14	P436-03	TF-556	1/30/81	30	22	15	36	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.115	1179.5	542.3	471.8	2.443	101.0	560.7	33155.	553.3	626.2	0.50	1.239	0.443

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =		0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
300.0	ORIFICE	236	237	238	239	240	241									
	PRESSURE	736.0	570.4	591.8	563.8	636.2	630.6									
	COEFF.	0.410	0.060	0.105	0.046	0.199	0.187									
290.0	ORIFICE	226	227	228	229	230	231									
	PRESSURE	823.7	566.6	611.2	608.4	616.9	682.1									
	COEFF.	0.596	0.052	0.146	0.140	0.158	0.296									
287.0	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
	PRESSURE							543.1	542.4	486.7	450.4	451.0	468.2			
	COEFF.							0.002	0.000	-0.118	-0.195	-0.193	-0.157			
282.0	ORIFICE													*301*	*302*	*303*
	PRESSURE													430.8	432.2	431.1
	COEFF.													-0.236	-0.233	-0.236
278.0	ORIFICE	220	221	222												
	PRESSURE	839.7	551.9	594.3												
	COEFF.	0.630	0.020	0.110												
277.0	ORIFICE				223	224	225									
	PRESSURE				594.4	569.6	739.0									
	COEFF.				0.110	0.058	0.417									
275.0	ORIFICE													*291*	*292*	*293*
	PRESSURE													489.4	485.2	482.5
	COEFF.													-0.112	-0.121	-0.127
268.0	ORIFICE	210	211	212	213	214	215									
	PRESSURE	841.5	554.5	594.1	595.9	600.9	739.0									
	COEFF.	0.634	0.026	0.110	0.114	0.124	0.417									
260.0	ORIFICE	201	202	203	204	205	206									
	PRESSURE	850.3	551.9	571.8	591.7	597.0	719.6									
	COEFF.	0.653	0.020	0.062	0.105	0.116	0.376									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	14	P436-03	TF-556	1/30/81	30:22:15:36	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.115	1179.5	542.3	471.8	2.443	101.0	560.7	33155.	553.3	626.2	0.50	1.239	0.443

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	418.4			533.3										529.7
	COEFF.	-0.263			-0.019										-0.027
290.0	ORIFICE	232	233					234							
	PRESSURE	428.2	448.3					507.3							
	COEFF.	-0.242	-0.199					-0.074							
268.0	ORIFICE	253	254					255							
	PRESSURE	579.1	455.8					497.6							
	COEFF.	0.078	-0.183					-0.095							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						497.5	496.1	494.2						
	COEFF.						-0.095	-0.098	-0.102						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		458.0					491.5	486.9	487.8	489.0				
	COEFF.		-0.179					-0.108	-0.117	-0.116	-0.113				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							462.6		458.0	464.0	472.0	470.9	466.4	
	COEFF.							-0.169		-0.179	-0.166	-0.149	-0.151	-0.161	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			489.4	492.7	514.6						469.4	459.9	453.3	
	COEFF.			-0.112	-0.105	-0.059						-0.155	-0.175	-0.189	
268.0	ORIFICE	216	217					218							
	PRESSURE	745.1	644.4					594.8							
	COEFF.	0.430	0.216					0.111							
260.0	ORIFICE	207			208										209
	PRESSURE	777.3			662.7										441.0
	COEFF.	0.498			0.255										-0.215

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	14	P436-03	TF-556	1/30/81	30:22:15:36	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.115	1179.5	542.3	471.8	2.443	101.0	540.7	33155.	553.3	626.2	0.50	1.239	0.443

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			426.9			429.0	438.7		447.3		
	COEFFICIENT			-0.245			-0.240	-0.220		-0.201		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				426.9		425.7	433.0		444.1		
	COEFFICIENT				-0.245		-0.247	-0.232		-0.208		
	ORIFICE							276		277		
277.5	PRESSURE							527.6		455.2		
	COEFFICIENT							-0.031		-0.185		
	ORIFICE						271	272		273		274
276.0	PRESSURE						418.1	353.9		490.8		441.0
	COEFFICIENT						-0.263	-0.399		-0.109		-0.215

	ORIFICE	2918	2928
260.0	PRESSURE	552.9	553.4
	COEFFICIENT	0.022	0.024

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	425.1	447.1
	COEFFICIENT	-0.248	-0.202

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.055	0.089		0.147		0.143	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.0	0.076		0.128		0.161	0.077
273.0	ORIFICE	401	402		403		404	
	VALUE	0.057	0.026		0.0		0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8850

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	15	P436-03	TF-556	1/30/81	30:22:19:18	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.241	1102.1	430.5	464.2	2.294	101.2	560.9	38089.	440.5	661.6	0.50	1.290	0.532

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	618.4	465.2	484.8	475.5	473.2	541.5									
	COEFF.	0.405	0.075	0.117	0.097	0.092	0.239									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	717.8	394.3	503.3	496.0	480.6	583.8									
	COEFF.	0.619	-0.078	0.157	0.141	0.108	0.330									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							450.5	449.8	394.2	350.2	349.7	371.8			
	COEFF.							0.043	0.042	-0.078	-0.173	-0.174	-0.126			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											335.3	337.1	339.7		
	COEFF.											-0.205	-0.201	-0.196		
	ORIFICE	220	221	222												
278.0	PRESSURE	724.0	409.8	481.0												
	COEFF.	0.632	-0.045	0.109												
	ORIFICE				223	224	225									
277.0	PRESSURE				488.2	482.2	626.0									
	COEFF.				0.124	0.111	0.421									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												388.4	383.1	378.8	
	COEFF.												-0.091	-0.102	-0.111	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	731.0	383.0	497.2	480.6	484.7	614.5									
	COEFF.	0.647	-0.102	0.144	0.108	0.117	0.396									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	739.5	355.7	463.9	467.8	477.2	548.7									
	COEFF.	0.666	-0.161	0.072	0.080	0.100	0.255									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	15	P436-03	TF-556	1/30/81	30:22:19:18	0	288	02-27-81	19/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.241	1102.1	430.5	464.2	2.294	101.2	560.9	38089.	440.5	661.6	0.50	1.290	0.532

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	318.6			421.9										427.2
	COEFF.	-0.241			-0.019										-0.007
290.0	ORIFICE	232	233					234							
	PRESSURE	330.8	336.5					393.9							
	COEFF.	-0.215	-0.202					-0.079							
288.0	ORIFICE	253	254					255							
	PRESSURE	434.3	364.6					426.6							
	COEFF.	0.008	-0.142					-0.008							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						453.3	430.5	421.1						
	COEFF.						0.049	0.000	-0.020						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		387.5					420.9	393.8	396.2	395.5				
	COEFF.		-0.093					-0.021	-0.079	-0.074	-0.075				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							372.2		371.5	373.6	381.1	375.5	365.3	
	COEFF.							-0.126		-0.127	-0.123	-0.107	-0.119	-0.140	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			383.7	385.8	408.0						375.6	357.7	343.9	
	COEFF.			-0.101	-0.096	-0.048						-0.118	-0.157	-0.187	
268.0	ORIFICE	216	217					218							
	PRESSURE	647.1	562.4					512.4							
	COEFF.	0.467	0.284					0.176							
260.0	ORIFICE	207			208										209
	PRESSURE	671.3			573.9										332.2
	COEFF.	0.519			0.309										-0.212

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
20	15	P436-03	TF-556	1/30/81	30:22:19:18	0	288	02-27-81	19/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.241	1102.1	430.5	464.2	2.294	101.2	560.9	38089.	440.5	661.6	0.50	1.290	0.532

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
282.0	ORIFICE			282			283	284		285		
	PRESSURE			310.7			313.5	334.1		347.8		
	COEFFICIENT			-0.258			-0.252	-0.208		-0.178		
280.0	ORIFICE			278			279	280		281		
	PRESSURE			312.5			314.0	326.5		344.2		
	COEFFICIENT			-0.254			-0.251	-0.224		-0.186		
277.5	ORIFICE							276		277		
	PRESSURE							420.0		357.9		
	COEFFICIENT							-0.023		-0.156		
276.0	ORIFICE						271	272		273		274
	PRESSURE						304.6	246.6		398.5		330.3
	COEFFICIENT						-0.271	-0.396		-0.069		-0.216

260.0	ORIFICE	291B	292B
	PRESSURE	438.6	438.8
	COEFFICIENT	0.017	0.018

INSIDE PRESSURE ORIFICES

276.0	ORIFICE	261	262
	PRESSURE	311.2	337.8
	COEFFICIENT	-0.257	-0.200

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413
	VALUE	0.034	0.0		0.074		0.102
278.0	ORIFICE	405	406		407	408	409
	VALUE	0.0	0.079		0.131	0.142	0.062
273.0	ORIFICE	401	402		403		404
	VALUE	0.057	0.023		0.027		0.0

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	16	P436-03	TF-556	1/30/81	30:22:19:38	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.249	1106.5	427.6	467.1	2.301	101.6	561.3	38235.	437.6	668.9	0.50	1.296	0.530

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	614.1	464.0	478.1	471.5	473.0	538.6									
COEFF.	0.399	-0.078	-0.108	-0.094	-0.097	0.237									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	709.7	376.8	498.3	489.3	475.3	584.1									
COEFF.	0.604	-0.109	0.151	0.132	0.102	0.335									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							448.2	447.1	392.4	347.7	345.7	367.4			
COEFF.							0.044	0.042	-0.075	-0.171	-0.175	-0.129			
ORIFICE												*301*	*302*	*303*	
282.0 PRESSURE												331.9	334.2	337.2	
COEFF.												-0.205	-0.200	-0.194	
ORIFICE	220	221	222												
278.0 PRESSURE	720.9	395.7	474.9												
COEFF.	0.628	-0.068	0.101												
ORIFICE				223	224	225									
277.0 PRESSURE				481.5	478.6	625.2									
COEFF.				0.115	0.109	0.423									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												385.4	379.8	375.0	
COEFF.												-0.090	-0.102	-0.113	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	729.1	366.5	491.9	476.6	479.3	611.4									
COEFF.	0.645	-0.131	0.138	0.105	0.111	0.394									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	738.9	336.5	460.9	462.7	472.5	537.2									
COEFF.	0.666	-0.195	0.071	0.075	0.096	0.235									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
20	16	P436-03	TF-556	1/30/81	30:22:19:38	0	288	02-27-81	19/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.249	1106.5	427.6	467.1	2.301	101.6	561.3	38235.	437.6	668.9	0.50	1.296	0.530

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	314.8			417.9										423.7
	COEFF.	-0.241			-0.021										-0.008
290.0	ORIFICE	232	233					234							
	PRESSURE	327.6	331.7					389.0							
	COEFF.	-0.214	-0.205					-0.083							
288.0	ORIFICE	253	254					255							
	PRESSURE	425.7	362.0					423.9							
	COEFF.	-0.004	-0.140					-0.008							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						452.6	428.3	419.1						
	COEFF.						0.053	0.001	-0.018						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		383.9					418.9	390.9	393.1	391.8				
	COEFF.		-0.094					-0.019	-0.079	-0.074	-0.077				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							369.8		369.4	371.6	378.2	372.1	361.3	
	COEFF.							-0.124		-0.125	-0.120	-0.106	-0.119	-0.142	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			378.1	380.1	403.4						372.7	354.2	339.8	
	COEFF.			-0.106	-0.102	-0.052						-0.118	-0.157	-0.188	
268.0	ORIFICE	216	217					218							
	PRESSURE	646.7	561.5					512.6							
	COEFF.	0.469	0.287					0.182							
260.0	ORIFICE	207			208										209
	PRESSURE	671.9			572.0										327.0
	COEFF.	0.523			0.309										-0.215

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
20	16	P436-03	TF-556	1/30/81	30:22:19:38	0	288	02-27-81	19/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.249	1196.5	427.6	467.1	2.301	101.6	561.3	38235.	437.6	668.9	0.50	1.296	0.530

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			305.1			307.2	329.2		344.4		
	COEFFICIENT			-0.262			-0.258	-0.211		-0.178		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			307.1			308.2	321.4		340.3		
	COEFFICIENT			-0.258			-0.256	-0.227		-0.187		
	ORIFICE							276		277		
277.5	PRESSURE							417.4		353.6		
	COEFFICIENT							-0.022		-0.158		
	ORIFICE						271	272		273		274
276.0	PRESSURE						298.6	239.1		396.1		325.1
	COEFFICIENT						-0.276	-0.404		-0.067		-0.219

	ORIFICE	2918	2928	
260.0	PRESSURE	437.1	437.2	
	COEFFICIENT	0.020	0.021	

INSIDE PRESSURE ORIFICES

	ORIFICE				261			262	
276.0	PRESSURE				305.5			332.4	
	COEFFICIENT				-0.262			-0.204	

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.034	0.0		0.079		0.099		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.082		0.134		0.143	0.060	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.058	0.024		0.028		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8830

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	17	P436-03	TF-556	1/30/81	30	22	24	13	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.390	1075.0	342.7	463.3	2.210	100.8	560.5	42899.	351.9	723.1	0.50	1.372	0.545

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
300.0	ORIFICE	236	237	238	239	240	241									
	PRESSURE	523.9	201.8	382.7	393.9	387.6	476.8									
	COEFF.	-0.391	-0.304	0.086	0.111	0.097	0.289									
290.0	ORIFICE	226	227	228	229	230	231									
	PRESSURE	636.1	207.7	375.0	402.2	392.6	511.9									
	COEFF.	0.633	-0.291	0.070	0.128	0.108	0.365									
287.0	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
	PRESSURE							382.7	383.4	332.9	286.1	284.5	302.5			
	COEFF.							0.086	0.088	-0.021	-0.122	-0.126	-0.087			
282.0	ORIFICE											*301*	*302*	*303*		
	PRESSURE											277.3	282.1	280.7		
	COEFF.											-0.141	-0.131	-0.134		
278.0	ORIFICE	220	221	222												
	PRESSURE	645.4	225.7	367.9												
	COEFF.	0.653	-0.253	0.054												
277.0	ORIFICE				223	224	225									
	PRESSURE				391.2	383.0	523.0									
	COEFF.				0.105	0.087	0.389									
275.0	ORIFICE											*291*	*292*	*293*		
	PRESSURE											327.7	321.0	314.3		
	COEFF.											-0.032	-0.047	-0.061		
268.0	ORIFICE	210	211	212	213	214	215									
	PRESSURE	649.6	220.7	380.1	383.3	378.3	447.9									
	COEFF.	0.662	-0.263	0.081	0.088	0.077	0.227									
260.0	ORIFICE	201	202	203	204	205	206									
	PRESSURE	659.8	231.9	368.4	376.9	377.9	380.1									
	COEFF.	0.684	-0.239	0.055	0.074	0.076	0.081									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOEF	SET	CART	
20	17	P436-03	TF-556	1/30/81	30:22:24:13	0	288	02-27-81	19/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.390	1975.0	342.7	463.3	2.210	100.8	560.5	42899.	351.9	723.1	0.50	1.372	0.545

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	252.5			293.0										359.7
	COEFF.	-0.195			-0.107										0.037
290.0	ORIFICE	232	233					234							
	PRESSURE	268.7	259.2					276.6							
	COEFF.	-0.160	-0.180					-0.143							
288.0	ORIFICE	253	254					255							
	PRESSURE	324.9	294.3					319.6							
	COEFF.	-0.039	-0.104					-0.050							
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					330.0	321.6	317.1							
	COEFF.					-0.028	-0.046	-0.055							
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		303.9					320.8	302.8	301.8	300.3				
	COEFF.		-0.084					-0.047	-0.086	-0.088	-0.092				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							300.9		299.7	301.1	295.1	289.9	279.8	
	COEFF.							-0.090		-0.093	-0.090	-0.103	-0.114	-0.136	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			300.9	300.2	322.6						305.3	283.2	265.5	
	COEFF.			-0.090	-0.092	-0.043						-0.081	-0.128	-0.167	
268.0	ORIFICE	216	217					218							
	PRESSURE	578.6	509.4					406.0							
	COEFF.	0.509	0.360					0.137							
260.0	ORIFICE	207			208										209
	PRESSURE	586.1			511.8										252.4
	COEFF.	0.525			0.365										-0.195

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	17	P436-03	TF-556	1/30/81	30	22	24	13	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.390	1075.0	342.7	463.3	2.210	100.8	560.5	42899	351.9	723.1	0.50	1.372	0.549

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			224.1			224.6	275.3		275.1		
	COEFFICIENT			-0.256			-0.255	-0.146		-0.146		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				227.1		234.5	246.6		264.9		
	COEFFICIENT				-0.250		-0.234	-0.207		-0.168		
	ORIFICE							276		277		
277.5	PRESSURE							338.5		271.1		
	COEFFICIENT							-0.009		-0.155		
	ORIFICE						271	272		273		274
276.0	PRESSURE						211.3	167.3		321.1		249.9
	COEFFICIENT						-0.284	-0.379		-0.047		-0.200
	ORIFICE	291B	292B									
260.0	PRESSURE	349.4	349.2									
	COEFFICIENT	0.014	0.014									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						227.7			248.4		
	COEFFICIENT						-0.248			-0.203		

KULITE RMS VALUES

287.0	ORIFICE			410	411		412	413	
	VALUE			0.0	0.0		0.042	0.099	
278.0	ORIFICE			405	406		407	408	409
	VALUE			0.0	0.084		0.147	0.136	0.054
273.0	ORIFICE			401	402		403	404	
	VALUE			0.061	0.0		0.0	0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	18	P436-03	TF-556	1/30/81	30:22:24:38	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.396	1075.4	340.0	463.6	2.209	100.7	560.4	43062.	349.2	726.2	0.50	1.378	0.545

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	521.4	190.4	372.5	389.2	381.7	472.1									
	COEFF.	0.391	-0.323	0.070	0.106	0.090	0.285									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	634.0	206.7	363.8	398.3	384.4	505.2									
	COEFF.	0.634	-0.288	0.051	0.126	0.096	0.356									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							378.2	379.4	330.4	284.4	283.1	300.9			
	COEFF.							0.082	0.085	-0.021	-0.120	-0.123	-0.084			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													275.9	280.2	279.0
	COEFF.													-0.138	-0.129	-0.132
	ORIFICE	220	221	222												
278.0	PRESSURE	645.9	224.5	360.5												
	COEFF.	0.660	-0.249	0.044												
	ORIFICE				223	224	225									
277.0	PRESSURE				387.3	378.3	509.9									
	COEFF.				0.102	0.083	0.366									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													325.9	319.2	312.5
	COEFF.													-0.030	-0.045	-0.059
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	649.2	220.2	377.0	381.7	375.9	429.0									
	COEFF.	0.667	-0.258	0.080	0.090	0.077	0.192									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	659.7	232.0	364.3	376.4	374.4	376.0									
	COEFF.	0.689	-0.233	0.052	0.078	0.074	0.078									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	18	P436-03	TF-556	1/30/81	30:22:24:38	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.396	1075.4	340.0	463.6	2.209	100.7	560.4	43062.	349.2	726.2	0.50	1.378	0.545

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	251.8			287.3										360.3
	COEFF.	-0.190			-0.114										0.044
290.0	ORIFICE	232	233				234								
	PRESSURE	267.9	255.7				274.4								
	COEFF.	-0.156	-0.182				-0.142								
288.0	ORIFICE	253	254				255								
	PRESSURE	321.6	291.6				317.6								
	COEFF.	-0.040	-0.104				-0.048								
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					329.7	319.5	314.6							
	COEFF.					-0.022	-0.044	-0.055							
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		301.5				318.3	299.2	299.1	296.7					
	COEFF.		-0.083				-0.047	-0.088	-0.088	-0.094					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						298.2		297.6	297.7	291.9	285.9	275.8		
	COEFF.						-0.090		-0.091	-0.091	-0.104	-0.117	-0.139		
275.0	ORIFICE			*294*	*295*	*296*					*297*	*298*	*299*		
	PRESSURE			298.0	297.0	319.5					303.5	280.7	262.2		
	COEFF.			-0.091	-0.093	-0.044					-0.079	-0.128	-0.168		
268.0	ORIFICE	216	217				218								
	PRESSURE	571.3	507.8				407.1								
	COEFF.	0.499	0.362				0.145								
260.0	ORIFICE	207			208										209
	PRESSURE	575.6			511.2										249.3
	COEFF.	0.508			0.369										-0.196

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION #1ND-TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
20	18	P436-03	TF-556	1/30/81	30:22:24:38	0	288	02-27-81	19/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.396	1075.4	340.0	463.6	2.209	100.7	560.4	43062.	349.2	726.2	0.50	1.378	0.545

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			221.0			221.4	272.8		270.7		
	COEFFICIENT			-0.257			-0.256	-0.145		-0.150		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				224.3		232.0	244.4		261.2		
	COEFFICIENT				-0.250		-0.233	-0.206		-0.170		
	ORIFICE							276		277		
277.5	PRESSURE							337.0		268.0		
	COEFFICIENT							-0.006		-0.155		
	ORIFICE						271	272		273		274
276.0	PRESSURE						205.1	164.1		320.5		246.7
	COEFFICIENT						-0.291	-0.379		-0.042		-0.201

		291R	292R
260.0	PRESSURE	348.7	348.9
	COEFFICIENT	0.019	0.019

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						224.6			244.4		
	COEFFICIENT						-0.249			-0.206		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.0	0.0			0.040		0.094		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.081			0.144		0.136	0.054	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.061	0.0			0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
20	19	P436-03	TF-556	1/30/81	30:22:26:21	0	288	02-27-81	19/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.811	751.4	487.6	224.4	1.425	95.3	555.0	35401.	494.3	257.1	0.50	1.208	0.780

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE		236	237	238	239	240	241									
300.0	PRESSURE		569.5	494.9	502.0	510.1	503.4	481.8									
	COEFF.		0.365	0.032	0.064	0.100	0.070	-0.026									
	ORIFICE		226	227	228	229	230	231									
290.0	PRESSURE		610.2	493.6	505.5	509.1	513.2	508.6									
	COEFF.		0.546	0.027	0.080	0.096	0.114	0.094									
	ORIFICE								*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE								466.6	468.9	450.0	440.8	437.1	439.9			
	COEFF.								-0.094	-0.083	-0.168	-0.208	-0.225	-0.212			
	ORIFICE												*301*	*302*	*303*		
282.0	PRESSURE												432.4	434.8	432.8		
	COEFF.												-0.246	-0.235	-0.244		
	ORIFICE		220	221	222												
278.0	PRESSURE		618.2	484.6	499.7												
	COEFF.		0.582	-0.013	0.054												
	ORIFICE					223	224	225									
277.0	PRESSURE					506.3	511.0	544.0									
	COEFF.					0.083	0.104	0.251									
	ORIFICE													*291*	*292*	*293*	
275.0	PRESSURE													452.4	450.8	448.9	
	COEFF.													-0.157	-0.164	-0.172	
	ORIFICE		210	211	212	213	214	215									
268.0	PRESSURE		622.7	485.3	503.4	504.0	509.0	549.0									
	COEFF.		0.602	-0.010	0.071	0.073	0.095	0.273									
	ORIFICE		201	202	203	204	205	206									
260.0	PRESSURE		629.0	481.8	498.7	500.9	506.5	546.4									
	COEFF.		0.630	-0.026	0.049	0.059	0.084	0.262									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES. INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION. TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
20	19	P436-03	TF-556	1/30/81	30:22:26:21	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.811	751.4	487.6	224.4	1.425	95.3	555.0	35401.	494.3	257.1	0.50	1.208	0.780

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	436.4			441.6										448.2
	COEFF.	-0.228			-0.205										-0.176
290.0	ORIFICE	232	233					234							
	PRESSURE	431.9	436.0					440.9							
	COEFF.	-0.248	-0.230					-0.208							
288.0	ORIFICE	253	254					255							
	PRESSURE	343.5	436.5					441.3							
	COEFF.	-0.642	-0.228					-0.206							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						443.7	444.1	443.5						
	COEFF.						-0.195	-0.194	-0.196						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		432.8					439.5	441.7	441.4	438.4				
	COEFF.		-0.244					-0.214	-0.204	-0.206	-0.219				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							438.8		437.6	438.3	437.5	438.0	434.3	
	COEFF.							-0.218		-0.223	-0.220	-0.223	-0.221	-0.238	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			448.4	450.9	464.8						446.6	441.9	439.7	
	COEFF.			-0.175	-0.164	-0.101						-0.182	-0.204	-0.214	
268.0	ORIFICE	216	217					218							
	PRESSURE	539.6	502.9					482.5							
	COEFF.	0.232	0.068					-0.023							
260.0	ORIFICE	207			208										209
	PRESSURE	556.9			511.2										426.7
	COEFF.	0.309			0.105										-0.271

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
20	19	P436-03	TF-556	1/30/81	30:22:26:21	0	288	02-27-81	19/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.811	751.4	487.6	224.4	1.425	95.3	555.0	35401.	494.3	257.1	0.50	1.208	0.780

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.25 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			435.0			426.1	428.8		433.3		
	COEFFICIENT			-0.234			-0.274	-0.262		-0.242		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				433.1		425.7	430.0		433.5		
	COEFFICIENT				-0.243		-0.276	-0.256		-0.241		
	ORIFICE							276		277		
277.5	PRESSURE							487.2		431.3		
	COEFFICIENT							-0.002		-0.251		
	ORIFICE						271	272		273		274
276.0	PRESSURE						422.5	389.7		471.5		433.4
	COEFFICIENT						-0.290	-0.436		-0.072		-0.242

	ORIFICE	291R	292R
260.0	PRESSURE	496.9	497.2
	COEFFICIENT	0.042	0.043

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	426.4	437.5
	COEFFICIENT	-0.273	-0.223

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413	
	VALUE	0.068	0.052	0.063	0.065	
278.0	ORIFICE	405	406	407	408	409
	VALUE	0.0	0.031	0.115	0.090	0.039
273.0	ORIFICE	401	402	403	404	
	VALUE	0.051	0.0	0.0	0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
23	4	P436-03	TF-556	1/31/81	31: 0: 3:29	0	288	02-27-81	22/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.789	871.9	578.2	252.0	1.555	116.2	575.9	31779.	586.0	285.9	0.50	1.182	0.754

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	671.3	590.4	597.5	605.0	595.8	566.1									
	COEFF.	0.369	0.048	0.076	0.106	0.070	-0.048									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	709.9	589.3	601.2	605.6	606.8	598.0									
	COEFF.	0.523	0.044	0.091	0.109	0.114	0.079									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							552.9	554.8	534.3	524.7	522.5	523.8			
	COEFF.							-0.101	-0.093	-0.174	-0.212	-0.221	-0.216			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												519.2	518.5	516.7	
	COEFF.												-0.234	-0.237	-0.244	
	ORIFICE	220	221	222												
278.0	PRESSURE	719.3	581.0	595.3												
	COEFF.	0.560	0.011	0.068												
	ORIFICE				223	224	225									
277.0	PRESSURE				601.8	605.6	632.7									
	COEFF.				0.094	0.109	0.216									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												538.9	537.3	535.4	
	COEFF.												-0.156	-0.162	-0.170	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	720.0	580.8	598.2	599.3	604.0	639.8									
	COEFF.	0.563	0.010	0.079	0.084	0.102	0.245									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	724.4	578.8	594.1	596.5	601.5	638.5									
	COEFF.	0.580	0.002	0.063	0.073	0.093	0.239									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	4	P43G-03	TF-556	1/31/81	31:	0:	3:	29	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.789	871.9	578.2	252.0	1.555	116.2	575.9	31779.	586.0	285.9	0.50	1.182	0.754

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	9.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	532.6			535.1										545.1
	COEFF.	-0.181			-0.171										-0.131
290.0	ORIFICE	232	233					234							
	PRESSURE	519.3	523.2					529.9							
	COEFF.	-0.234	-0.218					-0.192							
288.0	ORIFICE	253	254					255							
	PRESSURE	498.5	522.5					530.1							
	COEFF.	-0.316	-0.221					-0.191							
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					530.6	531.4	530.1							
	COEFF.					-0.189	-0.186	-0.191							
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		519.3					529.0	530.4	529.1	526.6				
	COEFF.		-0.234					-0.195	-0.190	-0.195	-0.205				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							525.5		528.8	525.0	524.6	524.9	522.5	
	COEFF.							-0.209		-0.196	-0.211	-0.213	-0.212	-0.221	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			533.9	537.6	551.0						534.7	530.8	530.3	
	COEFF.			-0.176	-0.161	-0.108						-0.173	-0.188	-0.190	
268.0	ORIFICE	216	217					218							
	PRESSURE	630.3	593.4					571.4							
	COEFF.	0.207	0.060					-0.027							
260.0	ORIFICE	207			208										209
	PRESSURE	652.0			602.1										520.7
	COEFF.	0.293			0.095										-0.228

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
23	4	P436-03	TF-556	1/31/81	31	0	3	29	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

N	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.789	871.9	578.2	252.0	1.555	116.2	575.9	31779.	586.0	285.9	0.50	1.182	0.754

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
282.0	ORIFICE			282			283	284		285		
	PRESSURE			522.8			514.5	518.0		522.6		
	COEFFICIENT			-0.220			-0.253	-0.239		-0.221		
280.0	ORIFICE			278			279	280		281		
	PRESSURE			522.0			514.3	517.6		523.7		
	COEFFICIENT			-0.223			-0.254	-0.241		-0.216		
277.5	ORIFICE							276		277		
	PRESSURE							576.2		526.5		
	COEFFICIENT							-0.008		-0.205		
276.0	ORIFICE						271	272		273		274
	PRESSURE						513.2	485.9		558.0		526.5
	COEFFICIENT						-0.258	-0.366		-0.080		-0.205
260.0	ORIFICE	2918	2928									
	PRESSURE	590.4	590.7									
	COEFFICIENT	0.048	0.050									

INSIDE PRESSURE ORIFICES

276.0	ORIFICE						261			262		
	PRESSURE						514.8			526.7		
	COEFFICIENT						-0.252			-0.204		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.076	0.066		0.077		0.082		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.043		0.143		0.120	0.045	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.052	0.0		0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
23	5	P436-03	TF-556	1/31/81	31:	0:	13:	5	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1698.4	1114.3	499.1	3.058	115.2	574.9	16689.	1130.4	568.0	-0.50	1.201	0.290

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1299.3	1135.4	1149.1	1165.5	1151.4	1100.4									
	COEFF.	0.371	0.042	0.070	0.103	0.074	-0.028									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1385.1	1136.1	1160.3	1166.7	1173.2	1155.6									
	COEFF.	0.543	0.044	0.092	0.105	0.118	0.083									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							1073.0	1080.3	1038.1	1008.2	1005.6	1008.2			
	COEFF.							-0.083	-0.068	-0.153	-0.212	-0.218	-0.212			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													1000.2	998.3	996.8
	COEFF.													-0.229	-0.232	-0.235
	ORIFICE	220	221	222												
278.0	PRESSURE	1402.9	1120.8	1149.7												
	COEFF.	0.578	0.013	0.071												
	ORIFICE				223	224	225									
277.0	PRESSURE				1163.8	1169.0	1233.1									
	COEFF.				0.099	0.110	0.238									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													1041.2	1037.3	1034.0
	COEFF.													-0.146	-0.154	-0.161
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1406.3	1121.5	1157.4	1159.8	1166.7	1244.7									
	COEFF.	0.585	0.014	0.086	0.091	0.105	0.261									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1415.4	1117.1	1145.6	1153.9	1161.5	1238.9									
	COEFF.	0.603	0.006	0.063	0.079	0.095	0.250									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	5	P43G-03	TF-556	1/31/81	31:	0:	13:	5	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1698.4	1114.3	499.1	3.058	115.2	574.9	16689.	1130.4	568.0	0.50	1.201	0.290

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
306.0	ORIFICE	242			243										244
	PRESSURE	1033.0			1042.4										1062.0
	COEFF.	-0.163			-0.144										-0.105
290.0	ORIFICE	232	233					234							
	PRESSURE	998.0	1007.9					1022.8							
	COEFF.	-0.233	-0.213					-0.183							
288.0	ORIFICE	253	254					255							
	PRESSURE	845.4	1007.4					1025.8							
	COEFF.	-0.539	-0.214					-0.177							
287.0	ORIFICE							*316*	*317*	*318*					
	PRESSURE							1024.5	1025.1	1023.7					
	COEFF.							-0.180	-0.179	-0.181					
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1001.8					1025.7	1022.0	1022.6	1022.2				
	COEFF.		-0.225					-0.178	-0.185	-0.184	-0.185				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1015.7		1015.4	1016.1	1015.0	1014.0	1011.0	
	COEFF.							-0.198		-0.198	-0.197	-0.199	-0.201	-0.207	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1035.8	1043.4	1064.0						1036.8	1029.2	1026.9	
	COEFF.			-0.157	-0.142	-0.101						-0.159	-0.170	-0.175	
268.0	ORIFICE	216	217					218							
	PRESSURE	1221.7	1148.7					1104.1							
	COEFF.	0.215	0.069					-0.020							
260.0	ORIFICE	207			208										209
	PRESSURE	1262.0			1164.8										1009.0
	COEFF.	0.296			0.101										-0.211

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	5	P436-03	TF-556	1/31/81	31: 0:13: 5	0	288	02-27-81	22/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1698.4	1114.3	499.1	3.058	115.2	574.9	16689.	1130.4	568.0	0.50	1.201	0.290

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1007.6			991.6	1003.8		1013.7		
	COEFFICIENT			-0.214			-0.246	-0.221		-0.201		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			1007.1			993.2	1001.1		1015.5		
	COEFFICIENT			-0.215			-0.242	-0.227		-0.196		
	ORIFICE							276		277		
277.5	PRESSURE							1091.9		1027.6		
	COEFFICIENT							-0.045		-0.174		
	ORIFICE						271	272		273		274
276.0	PRESSURE						991.4	933.9		1058.3		1022.4
	COEFFICIENT						-0.246	-0.361		-0.116		-0.184

	ORIFICE	2918	2928
260.0	PRESSURE	1130.4	1130.5
	COEFFICIENT	0.032	0.032

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						994.7			1021.0		
	COEFFICIENT						-0.240			-0.187		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.160	0.159			0.149		0.164		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.095			0.265		0.222	0.080	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.064	0.044			0.032		0.036		

ACCELEROMETER RMS VALUES

1	2	3
0.8880	0.8880	0.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	6	P436-03	TF-556	1/31/81	31: 0:13:36	0	288	02-27-81	22/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1700.6	1114.9	500.3	3.065	114.9	574.6	16675.	1131.1	569.5	0.50	1.202	0.290

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

XV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1300.0	1136.1	1149.8	1166.3	1153.2	1101.6									
	COEFF.	0.370	0.042	0.070	0.103	0.076	-0.027									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1386.3	1137.1	1161.1	1167.4	1174.1	1156.7									
	COEFF.	0.543	0.044	0.092	0.105	0.118	0.083									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							1074.1	1081.6	1039.4	1009.4	1006.7	1008.7			
	COEFF.							-0.082	-0.067	-0.151	-0.211	-0.216	-0.212			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												1000.2	998.3	996.8	
	COEFF.												-0.229	-0.233	-0.236	
	ORIFICE	220	221	222												
278.0	PRESSURE	1404.4	1122.1	1150.9												
	COEFF.	0.579	0.014	0.072												
	ORIFICE				223	224	225									
277.0	PRESSURE				1164.9	1170.0	1234.7									
	COEFF.				0.100	0.110	0.239									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												1041.8	1037.9	1034.5	
	COEFF.												-0.146	-0.154	-0.161	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1407.7	1122.5	1158.5	1160.9	1167.7	1246.0									
	COEFF.	0.585	0.015	0.087	0.092	0.105	0.262									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1416.8	1118.1	1146.6	1154.4	1162.7	1240.2									
	COEFF.	0.603	0.006	0.063	0.079	0.095	0.250									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	6	P436-03	TF-556	1/31/81	31: 0:13:36	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1700.6	1114.9	500.3	3.065	114.9	574.6	16675.	1131.1	569.5	0.50	1.202	0.290

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1034.0			1043.7										1063.7
	COEFF.	-0.162			-0.142										-0.102
290.0	ORIFICE	232	233				234								
	PRESSURE	998.6	1008.8				1023.6								
	COEFF.	-0.233	-0.212				-0.182								
288.0	ORIFICE	253	254				255								
	PRESSURE	865.2	1008.1				1026.2								
	COEFF.	-0.499	-0.214				-0.177								
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					1024.5	1025.4	1023.8							
	COEFF.					-0.181	-0.179	-0.182							
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		1002.7				1026.1	1022.3	1022.8	1022.4					
	COEFF.		-0.224				-0.178	-0.185	-0.184	-0.185					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						1015.9		1015.9	1016.4	1015.1	1014.1	1011.5		
	COEFF.						-0.198		-0.198	-0.197	-0.200	-0.202	-0.207		
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1036.9	1044.5	1065.3						1037.5	1030.1	1032.0	
	COEFF.			-0.156	-0.141	-0.099						-0.155	-0.169	-0.166	
268.0	ORIFICE	216	217				218								
	PRESSURE	1222.7	1149.6				1104.9								
	COEFF.	0.215	0.069				-0.020								
260.0	ORIFICE	207			208										209
	PRESSURE	1262.8			1165.7										1009.8
	COEFF.	0.296			0.101										-0.210

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	6	P436-03	TF-556	1/31/81	31	0	13	36	0	288	02-27-81	22/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1700.6	1114.9	500.3	3.065	114.9	574.6	16675.	1131.1	569.5	0.50	1.202	0.290

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1008.1			992.4	1005.4		1014.2		
	COEFFICIENT			-0.214			-0.245	-0.219		-0.201		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				1007.2		993.9	1002.2		1016.5		
	COEFFICIENT				-0.215		-0.242	-0.225		-0.197		
	ORIFICE							276		277		
277.5	PRESSURE							1092.4		1028.8		
	COEFFICIENT							-0.045		-0.172		
	ORIFICE						271	272		273		274
276.0	PRESSURE						991.8	933.9		1058.5		1022.5
	COEFFICIENT						-0.246	-0.362		-0.114		-0.185

	ORIFICE	2918	2928
260.0	PRESSURE	1130.6	1130.4
	COEFFICIENT	0.031	0.031

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						995.1			1021.6		
	COEFFICIENT						-0.240			-0.187		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.163	0.158		0.153		0.167		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.101		0.259		0.221	0.080	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.064	0.044		0.031		0.036		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	7	P436-03	TF-556	1/31/81	31	0	13	49	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10*3
0.800	1696.3	1112.8	498.6	3.056	114.9	574.6	16722.	1128.9	567.4	0.50	1.202	0.291

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1297.6	1134.0	1147.7	1164.2	1150.1	1099.6									
COEFF.	0.371	0.043	0.070	0.103	0.075	-0.026									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1383.6	1134.9	1158.8	1164.9	1171.8	1154.6									
COEFF.	0.543	0.044	0.092	0.105	0.118	0.084									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							1072.8	1080.1	1038.1	1008.3	1005.2	1007.2			
COEFF.							-0.080	-0.066	-0.150	-0.210	-0.216	-0.212			
ORIFICE												*301*	*302*	*303*	
282.0 PRESSURE												998.7	997.2	995.5	
COEFF.												-0.229	-0.232	-0.235	
ORIFICE	220	221	222												
278.0 PRESSURE	1401.4	1119.9	1148.7												
COEFF.	0.579	0.014	0.072												
ORIFICE				223	224	225									
277.0 PRESSURE				1162.5	1167.7	1232.6									
COEFF.				0.100	0.110	0.240									
ORIFICE												*291*	*292*	*293*	
275.0 PRESSURE												1040.3	1036.5	1033.1	
COEFF.												-0.145	-0.153	-0.160	
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1404.8	1120.5	1156.5	1158.8	1165.6	1243.7									
COEFF.	0.586	0.015	0.088	0.092	0.106	0.263									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1414.0	1116.2	1144.5	1152.7	1160.5	1237.7									
COEFF.	0.604	0.007	0.064	0.080	0.096	0.251									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
23	7	P436-03	TF-556	1/31/81	31	0	13	49	0	288	02-27-81	22/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1696.3	1112.8	498.6	3.056	114.9	574.6	16722.	1128.9	567.4	0.50	1.202	0.291

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0. 1.40	ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1032.2			1042.0										1062.2
	COEFF.	-0.162			-0.142										-0.101
290.0	ORIFICE	232	233					234							
	PRESSURE	996.8	1007.1					1021.5							
	COEFF.	-0.233	-0.212					-0.183							
288.0	ORIFICE	253	254					255							
	PRESSURE	873.4	1006.6					1024.8							
	COEFF.	-0.480	-0.213					-0.176							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1023.6	1024.5	1022.9						
	COEFF.						-0.179	-0.177	-0.180						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1001.2					1024.6	1021.2	1021.7	1020.7				
	COEFF.		-0.224					-0.177	-0.184	-0.183	-0.185				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1014.4		1016.1	1014.9	1014.2	1013.4	1010.4	
	COEFF.							-0.197		-0.194	-0.196	-0.196	-0.199	-0.205	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1035.5	1042.9	1064.0						1036.4	1028.6	1025.9	
	COEFF.			-0.155	-0.140	-0.096						-0.153	-0.169	-0.174	
268.0	ORIFICE	216	217					218							
	PRESSURE	1220.4	1147.6					1103.1							
	COEFF.	0.216	0.070					-0.019							
260.0	ORIFICE	207			208										209
	PRESSURE	1260.3			1163.5										1008.6
	COEFF.	0.296			0.102										-0.209

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD. DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	7	P43G-03	TF-556	1/31/81	31:	0:	13:	49	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1696.3	1112.8	498.6	3.056	114.9	574.6	16722.	1128.9	567.4	0.50	1.202	0.291

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1006.9			991.1	1003.0		1012.2		
	COEFFICIENT			-0.212			-0.244	-0.220		-0.202		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				1005.8		992.7	1000.7		1014.2		
	COEFFICIENT				-0.215		-0.241	-0.225		-0.198		
	ORIFICE							276		277		
277.5	PRESSURE							1090.4		1026.9		
	COEFFICIENT							-0.045		-0.172		
	ORIFICE						271	272		273		274
276.0	PRESSURE						990.5	933.1		1056.6		1020.7
	COEFFICIENT						-0.245	-0.360		-0.113		-0.185
	ORIFICE	291B	292B									
260.0	PRESSURE	1128.4	1128.3									
	COEFFICIENT	0.031	0.031									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						993.7			1019.9		
	COEFFICIENT						-0.239			-0.186		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.159	0.155			0.148			0.165	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.101			0.258			0.222	0.080
273.0	ORIFICE			401	402			403			404	
	VALUE			0.064	0.044			0.031			0.036	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	8	P436-03	TF-556	1/31/81	31: 0:19:15	0	288	02-27-81	22/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.907	1489.9	874.0	503.6	2.820	117.5	577.2	22496.	888.2	601.7	0.50	1.217	0.331

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1068.9	903.9	918.3	938.7	929.0	883.1									
	COEFF.	0.387	0.059	0.087	0.129	0.109	0.018									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1155.5	901.4	926.7	935.0	948.6	943.1									
	COEFF.	0.559	0.054	0.105	0.121	0.148	0.137									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							837.7	845.7	799.6	766.7	765.1	767.5			
	COEFF.							-0.072	-0.056	-0.148	-0.213	-0.216	-0.211			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													757.5	755.9	754.8
	COEFF.													-0.231	-0.235	-0.237
	ORIFICE	220	221	222												
278.0	PRESSURE	1173.7	885.0	914.4												
	COEFF.	0.595	0.022	0.080												
	ORIFICE				223	224	225									
277.0	PRESSURE				929.4	939.3	1017.9									
	COEFF.				0.110	0.130	0.286									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													802.2	798.2	795.3
	COEFF.													-0.143	-0.150	-0.156
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1176.4	885.9	922.5	924.5	933.0	1026.5									
	COEFF.	0.600	0.024	0.096	0.100	0.117	0.303									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1186.8	880.4	911.2	919.0	927.2	1018.8									
	COEFF.	0.621	0.013	0.074	0.089	0.106	0.287									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	8	P436-03	TF-556	1/31/81	31	0	19	15	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.907	1489.9	874.0	503.6	2.820	117.5	577.2	22496.	868.2	601.7	0.50	1.217	0.331

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111=0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	793.3			810.9										830.2
	COEFF.	-0.160			-0.125										-0.087
290.0	ORIFICE	232	233				234								
	PRESSURE	751.7	769.5				793.0								
	COEFF.	-0.243	-0.208				-0.161								
288.0	ORIFICE	253	254				255								
	PRESSURE	823.7	767.5				796.0								
	COEFF.	-0.100	-0.211				-0.155								
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					793.6	795.1	794.2							
	COEFF.					-0.160	-0.157	-0.158							
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		761.1				795.7	792.6	793.6	792.7					
	COEFF.		-0.224				-0.155	-0.162	-0.160	-0.162					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						782.6		783.8	783.9	784.7	783.7	780.5		
	COEFF.						-0.182		-0.179	-0.179	-0.177	-0.179	-0.186		
275.0	ORIFICE			*294*	*295*	*296*					*297*	*298*	*299*		
	PRESSURE			798.2	805.5	828.4					798.1	790.3	784.5		
	COEFF.			-0.151	-0.136	-0.091					-0.151	-0.166	-0.178		
268.0	ORIFICE	216	217				218								
	PRESSURE	1008.0	921.3				872.7								
	COEFF.	0.266	0.094				-0.003								
260.0	ORIFICE	207			208										209
	PRESSURE	1049.0			941.1										770.1
	COEFF.	0.347			0.133										-0.206

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	8	P43G-03	TF-556	1/31/81	31:	0:	19:	15	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.907	1489.9	874.0	503.6	2.820	117.5	577.2	22496.	888.2	601.7	0.50	1.217	0.331

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			761.1			752.2	763.0		776.0		
	COEFFICIENT			-0.224			-0.242	-0.220		-0.195		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				761.5		752.3	759.6		777.8		
	COEFFICIENT				-0.223		-0.242	-0.227		-0.191		
	ORIFICE							276		277		
277.5	PRESSURE							852.7		774.9		
	COEFFICIENT							-0.042		-0.197		
	ORIFICE						271	272		273		274
276.0	PRESSURE						747.7	673.2		820.6		780.2
	COEFFICIENT						-0.251	-0.399		-0.109		-0.186

	ORIFICE	291B	292B
260.0	PRESSURE	888.4	888.7
	COEFFICIENT	0.029	0.029

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	752.2	777.6
	COEFFICIENT	-0.242	-0.191

KULITE RMS VALUES

287.0	ORIFICE	410	411		412	413	
	VALUE	0.155	0.156		0.144	0.162	
278.0	ORIFICE	405	406		407	408	409
	VALUE	0.0	0.088		0.220	0.216	0.079
273.0	ORIFICE	401	402		403	404	
	VALUE	0.060	0.035		0.026	0.030	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD. DATE	WINDOFF	SET	CART	
23	9	P43G-03	TF-556	1/31/81	31:	0:	19:	46	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.932	1482.9	846.9	514.5	2.835	117.2	576.9	23231.	861.0	621.9	0.50	1.221	0.332

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1045.6	878.3	892.3	914.7	908.4	867.0									
	COEFF.	0.386	0.061	0.088	0.132	0.120	0.039									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1135.9	877.4	902.7	910.0	927.4	924.7									
	COEFF.	0.562	0.059	0.109	0.123	0.157	0.151									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							815.1	821.7	773.0	740.8	740.1	743.2			
	COEFF.							-0.062	-0.049	-0.144	-0.206	-0.207	-0.202			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											731.0	730.6	728.9		
	COEFF.											-0.225	-0.226	-0.229		
	ORIFICE	220	221	222												
278.0	PRESSURE	1154.5	861.8	890.8												
	COEFF.	0.598	0.029	0.085												
	ORIFICE				223	224	225									
277.0	PRESSURE				905.9	916.2	1002.0									
	COEFF.				0.115	0.135	0.302									
	ORIFICE											*291*	*292*	*293*		
275.0	PRESSURE											778.9	775.0	772.2		
	COEFF.											-0.132	-0.140	-0.145		
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1158.5	863.5	900.0	901.8	909.7	1009.4									
	COEFF.	0.606	0.032	0.103	0.107	0.122	0.316									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1168.3	856.4	887.3	898.4	903.2	998.7									
	COEFF.	0.625	0.019	0.079	0.100	0.110	0.295									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	9	P436-03	TF-556	1/31/81	31	0	19	46	0	288	02-27-81	22/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.932	1482.9	846.9	514.5	2.835	117.2	576.9	23231.	861.0	621.9	0.50	1.221	0.332

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
300.0	ORIFICE	242			243										244
	PRESSURE	764.9			793.1										813.4
	COEFF.	-0.159			-0.104										-0.065
290.0	ORIFICE	232	233					234							
	PRESSURE	727.9	745.3					770.1							
	COEFF.	-0.231	-0.197					-0.149							
288.0	ORIFICE	253	254					255							
	PRESSURE	813.0	743.8					773.4							
	COEFF.	-0.066	-0.200					-0.143							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						768.3	771.1	769.6						
	COEFF.						-0.153	-0.147	-0.150						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		738.8					773.7	769.3	770.1	771.5				
	COEFF.		-0.210					-0.142	-0.151	-0.149	-0.146				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							756.4		757.0	758.7	762.0	760.2	758.3	
	COEFF.							-0.176		-0.175	-0.171	-0.165	-0.168	-0.172	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			776.6	784.4	806.3						773.9	766.8	763.4	
	COEFF.			-0.137	-0.121	-0.079						-0.142	-0.156	-0.162	
268.0	ORIFICE	216	217					218							
	PRESSURE	990.6	900.8					850.8							
	COEFF.	0.279	0.105					0.008							
260.0	ORIFICE	207			208										209
	PRESSURE	1029.8			919.8										749.2
	COEFF.	0.356			0.142										-0.190

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	9	P436-03	TF-556	1/31/81	31: 0:19:46	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.932	1482.9	846.9	514.5	2.835	117.2	576.9	23231	861.0	621.9	0.50	1.221	0.332

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			733.6			730.7	742.9		751.0		
	COEFFICIENT			-0.220			-0.226	-0.202		-0.186		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				734.4		730.4	739.3		753.0		
	COEFFICIENT				-0.219		-0.226	-0.209		-0.182		
	ORIFICE							276		277		
277.5	PRESSURE							823.9		748.2		
	COEFFICIENT							-0.045		-0.196		
	ORIFICE						271	272		273		274
276.0	PRESSURE						723.4	647.5		793.9		754.9
	COEFFICIENT						-0.240	-0.388		-0.103		-0.179
	ORIFICE	291B	292B									
260.0	PRESSURE	853.1	852.5									
	COEFFICIENT	0.012	0.011									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						730.1			756.7		
	COEFFICIENT						-0.227			-0.175		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.154	0.148			0.145			0.163	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.0	0.089			0.200			0.208	0.077
273.0	ORIFICE			401	402			403			404	
	VALUE			0.059	0.034			0.027			0.030	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
23	10	P436-03	TF-556	1/31/81	31:	0:	19:	58	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.931	1448.5	828.0	502.1	2.773	116.5	576.2	23753.	841.8	606.7	0.50	1.213	0.340

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1024.9	859.3	873.5	895.8	887.8	849.8									
	COEFF.	0.392	0.062	0.091	0.135	0.123	0.043									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1113.7	857.6	882.8	890.6	907.9	906.9									
	COEFF.	0.569	0.059	0.109	0.125	0.159	0.157									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							795.4	801.9	754.5	723.3	722.0	725.3			
	COEFF.							-0.065	-0.052	-0.146	-0.208	-0.211	-0.205			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													713.7	712.9	712.7
	COEFF.													-0.228	-0.229	-0.230
	ORIFICE	220	221	222												
278.0	PRESSURE	1132.1	841.4	870.6												
	COEFF.	0.606	0.027	0.085												
	ORIFICE				223	224	225									
277.0	PRESSURE				885.6	896.6	982.7									
	COEFF.				0.115	0.137	0.308									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													760.4	756.6	754.2
	COEFF.													-0.135	-0.142	-0.147
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1136.1	843.5	879.8	881.4	889.3	990.0									
	COEFF.	0.614	0.031	0.103	0.106	0.122	0.323									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1146.8	836.4	867.5	876.0	883.7	980.6									
	COEFF.	0.635	0.017	0.079	0.096	0.111	0.304									

DATE. 2-27-81 PROJECT NO. P430-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	10	P430-03	TF-556	1/31/81	31: 0:19:58	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.931	1448.5	828.0	502.1	2.773	116.5	576.2	23753.	841.8	606.7	0.50	1.213	0.340

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	739.4			774.4										795.3
	COEFF.	-0.176			-0.107										-0.065
290.0	ORIFICE	232	233					234							
	PRESSURE	709.7	726.8					751.1							
	COEFF.	-0.236	-0.202					-0.153							
288.0	ORIFICE	253	254					255							
	PRESSURE	811.2	725.6					753.5							
	COEFF.	-0.034	-0.204					-0.148							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						748.5	750.8	749.5						
	COEFF.						-0.158	-0.154	-0.156						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		720.5					753.8	748.8	750.0	752.1				
	COEFF.		-0.214					-0.148	-0.158	-0.155	-0.151				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							738.5		738.7	738.4	741.1	740.6	738.2	
	COEFF.							-0.178		-0.178	-0.178	-0.173	-0.174	-0.179	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			758.2	765.8	789.5						754.9	747.6	744.0	
	COEFF.			-0.139	-0.124	-0.077						-0.146	-0.160	-0.167	
268.0	ORIFICE	216	217					218							
	PRESSURE	971.8	882.0					832.1							
	COEFF.	0.286	0.108					0.008							
260.0	ORIFICE	207			208										209
	PRESSURE	1011.3			901.8										730.3
	COEFF.	0.365			0.147										-0.195

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	10	P436-03	TF-556	1/31/81	31: 0:19:58	0	288	02-27-81	22/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.931	1448.5	828.0	502.1	2.773	116.5	576.2	23753.	841.8	606.7	0.50	1.213	0.340

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			714.4			712.1	722.5		731.4		
	COEFFICIENT			-0.226			-0.231	-0.210		-0.192		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				715.6		712.0	720.6		733.0		
	COEFFICIENT				-0.224		-0.231	-0.214		-0.189		
	ORIFICE							276		277		
277.5	PRESSURE							806.8		726.7		
	COEFFICIENT							-0.042		-0.202		
	ORIFICE						271	272		273		274
276.0	PRESSURE						703.8	626.5		776.5		733.7
	COEFFICIENT						-0.247	-0.401		-0.102		-0.188

	ORIFICE	2918	2928
260.0	PRESSURE	838.1	838.0
	COEFFICIENT	0.020	0.020

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	711.8	737.8
	COEFFICIENT	-0.232	-0.169

KULITE RMS VALUES

	ORIFICE	410	411	412	413		
287.0	VALUE	0.153	0.150	0.140	0.162		
	ORIFICE	405	406	407	408	409	
278.0	VALUE	0.0	0.089	0.198	0.207	0.078	
	ORIFICE	401	402	403	404		
273.0	VALUE	0.059	0.033	0.029	0.030		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
23	11	P436-03	TF-556	1/31/81	31	0	23	19	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.100	1261.2	591.0	500.2	2.519	117.6	577.3	31305.	602.8	658.4	0.50	1.255	0.391

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
300.0	ORIFICE	236	237	238	239	240	241									
	PRESSURE	786.8	610.1	617.4	627.3	689.4	679.3									
	COEFF.	0.391	0.038	0.053	0.073	0.197	0.176									
290.0	ORIFICE	226	227	228	229	230	231									
	PRESSURE	884.5	601.0	657.1	634.7	695.1	732.8									
	COEFF.	0.587	0.020	0.132	0.087	0.208	0.283									
287.0	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
	PRESSURE							588.3	589.1	535.3	492.6	492.7	509.0			
	COEFF.							-0.005	-0.004	-0.111	-0.197	-0.196	-0.164			
282.0	ORIFICE												*301*	*302*	*303*	
	PRESSURE												473.2	473.5	472.2	
	COEFF.												-0.236	-0.235	-0.237	
278.0	ORIFICE	220	221	222												
	PRESSURE	903.3	595.3	638.5												
	COEFF.	0.624	0.009	0.095												
277.0	ORIFICE				223	224	225									
	PRESSURE				644.6	623.4	792.5									
	COEFF.				0.107	0.065	0.403									
275.0	ORIFICE												*291*	*292*	*293*	
	PRESSURE												533.0	529.0	525.9	
	COEFF.												-0.116	-0.124	-0.130	
268.0	ORIFICE	210	211	212	213	214	215									
	PRESSURE	909.5	594.9	649.0	635.6	634.9	794.4									
	COEFF.	0.637	0.008	0.116	0.089	0.088	0.407									
260.0	ORIFICE	201	202	203	204	205	206									
	PRESSURE	917.0	614.2	615.8	643.8	642.6	776.9									
	COEFF.	0.652	0.046	0.050	0.106	0.103	0.372									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	11	P43G-03	TF-556	1/31/81	31:	0:	23:	19	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.100	1261.2	591.0	500.2	2.510	117.6	577.3	31305.	602.8	658.4	0.50	1.255	0.391

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	459.2			564.5										569.9
	COEFF.	-0.263			-0.053										-0.042
290.0	ORIFICE	232	233					234							
	PRESSURE	469.5	493.0					543.4							
	COEFF.	-0.243	-0.196					-0.095							
288.0	ORIFICE	253	254					255							
	PRESSURE	669.4	498.4					537.8							
	COEFF.	0.157	-0.185					-0.106							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						538.8	537.8	535.5						
	COEFF.						-0.104	-0.106	-0.111						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		496.4					533.1	529.5	531.4	529.9				
	COEFF.		-0.189					-0.116	-0.123	-0.119	-0.122				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							504.9		504.9	506.8	515.1	512.2	506.8	
	COEFF.							-0.172		-0.172	-0.168	-0.152	-0.158	-0.168	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			537.8	541.3	563.5						511.2	501.0	495.2	
	COEFF.			-0.106	-0.099	-0.055						-0.160	-0.180	-0.191	
268.0	ORIFICE	216	217					218							
	PRESSURE	798.1	692.1					643.0							
	COEFF.	0.414	0.202					0.104							
260.0	ORIFICE	207			208										209
	PRESSURE	833.6			712.2										479.1
	COEFF.	0.485			0.242										-0.224

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	11	P436-03	TF-556	1/31/81	31: 0:23:19	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.100	1261.2	591.0	500.2	2.510	117.6	577.3	31305.	602.8	658.4	0.50	1.255	0.391

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			467.3			469.1	481.1		488.7		
	COEFFICIENT			-0.247			-0.244	-0.220		-0.205		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				467.8		465.1	473.9		486.2		
	COEFFICIENT				-0.246		-0.252	-0.234		-0.210		
	ORIFICE							276		277		
277.5	PRESSURE							575.3		494.9		
	COEFFICIENT							-0.031		-0.142		
	ORIFICE						271	272		273		274
276.0	PRESSURE						455.5	387.1		534.6		480.7
	COEFFICIENT						-0.271	-0.408		-0.113		-0.221

	ORIFICE	291B	292B
260.0	PRESSURE	603.4	603.6
	COEFFICIENT	0.025	0.025

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	465.3	488.1
	COEFFICIENT	-0.251	-0.206

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.066	0.109	0.157	0.149		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.0	0.079	0.126	0.168	0.079	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.058	0.028	0.027	0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
23	12	P436-03	TF-556	1/31/81	31: 0:23:51	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.119	1250.4	571.6	501.4	2.509	115.1	574.8	32025.	583.3	667.1	0.50	1.245	0.394

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	778.7	601.6	617.8	599.4	672.1	669.8									
	COEFF.	0.413	0.060	0.092	0.055	0.200	0.196									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	870.1	594.5	640.1	637.8	634.9	723.4									
	COEFF.	0.595	0.046	0.136	0.132	0.126	0.303									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							573.8	573.8	518.7	475.0	476.0	495.1			
	COEFF.							0.004	0.004	-0.106	-0.193	-0.191	-0.153			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												455.2	456.2	454.4	
	COEFF.												-0.232	-0.230	-0.234	
	ORIFICE	220	221	222												
278.0	PRESSURE	885.3	581.6	623.9												
	COEFF.	0.626	0.020	0.104												
	ORIFICE				223	224	225									
277.0	PRESSURE				629.0	602.6	782.7									
	COEFF.				0.114	0.062	0.421									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												516.7	512.6	509.5	
	COEFF.												-0.110	-0.118	-0.124	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	891.9	582.8	624.3	624.6	634.9	781.8									
	COEFF.	0.639	0.022	0.105	0.106	0.126	0.419									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	902.3	583.7	603.4	625.1	625.3	759.9									
	COEFF.	0.659	0.024	0.063	0.107	0.107	0.375									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	12	P436-03	TF-556	1/31/81	31:	0:	23:	51	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.119	1250.4	571.6	501.4	2.509	115.1	574.8	32025.	583.3	667.1	0.50	1.245	0.394

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.6	ORIFICE	242			243										244
	PRESSURE	441.5			562.1										558.3
	COEFF.	-0.259			-0.019										-0.027
290.0	ORIFICE	232	233					234							
	PRESSURE	451.9	473.4					533.1							
	COEFF.	-0.239	-0.196					-0.077							
288.0	ORIFICE	253	254					255							
	PRESSURE	649.5	481.5					525.9							
	COEFF.	0.155	-0.180					-0.091							
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					528.2	525.5	522.0							
	COEFF.					-0.087	-0.092	-0.099							
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		486.2					519.4	514.1	516.3	515.9				
	COEFF.		-0.170					-0.104	-0.115	-0.110	-0.111				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							487.8		487.7	489.2	499.0	496.4	491.4	
	COEFF.							-0.167		-0.167	-0.164	-0.145	-0.150	-0.160	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			521.1	524.3	544.4						495.7	484.5	478.3	
	COEFF.			-0.101	-0.094	-0.054						-0.151	-0.174	-0.186	
268.0	ORIFICE	216	217					218							
	PRESSURE	789.6	683.0					628.7							
	COEFF.	0.435	0.222					0.114							
260.0	ORIFICE	207			208										209
	PRESSURE	823.0			701.2										463.6
	COEFF.	0.501			0.258										-0.216

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	12	P436-03	TF-556	1/31/81	31:	0:	23:	51	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.119	1250.4	571.6	501.4	2.509	115.1	574.8	32025.	583.3	667.1	0.50	1.245	0.394

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			448.4			451.1	462.9		471.9		
	COEFFICIENT			-0.246			-0.240	-0.217		-0.199		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			449.2			447.9	456.2		469.6		
	COEFFICIENT			-0.244			-0.247	-0.230		-0.204		
	ORIFICE							276		277		
277.5	PRESSURE							555.0		481.0		
	COEFFICIENT							-0.033		-0.181		
	ORIFICE						271	272		273		274
276.0	PRESSURE						439.4	369.7		515.7		464.1
	COEFFICIENT						-0.264	-0.403		-0.111		-0.215
	ORIFICE	291B	292B									
260.0	PRESSURE	581.8	582.0									
	COEFFICIENT	0.020	0.021									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						447.4			471.1		
	COEFFICIENT						-0.248			-0.200		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.055	0.086		0.147		0.148		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.081		0.129		0.167	0.077	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.058	0.028		0.023		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	13	P436-03	TF-556	1/31/81	31	0	24	10	0	288	02-27-81	22/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.076	1193.2	575.7	466.4	2.388	113.6	573.3	31872.	586.9	606.3	0.50	1.229	0.413

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	766.3	616.9	626.9	648.2	657.1	654.2									
	COEFF.	0.408	0.088	0.110	0.155	0.174	0.168									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	836.1	574.7	628.7	638.4	669.6	701.0									
	COEFF.	0.558	-0.002	0.113	0.134	0.201	0.269									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							569.8	571.3	521.8	483.6	482.9	495.1			
	COEFF.							-0.013	-0.010	-0.116	-0.198	-0.199	-0.173			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											467.7	467.5	466.2		
	COEFF.											-0.232	-0.232	-0.235		
	ORIFICE	220	221	222												
278.0	PRESSURE	863.5	567.4	609.2												
	COEFF.	0.617	-0.018	0.072												
	ORIFICE				223	224	225									
277.0	PRESSURE				615.6	631.2	760.9									
	COEFF.				0.086	0.119	0.397									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													522.4	518.5	515.8
	COEFF.													-0.114	-0.123	-0.129
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	867.9	568.8	628.0	613.7	627.3	762.6									
	COEFF.	0.626	-0.015	0.112	0.081	0.111	0.401									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	885.2	587.0	586.2	618.7	622.9	748.9									
	COEFF.	0.664	0.024	0.022	0.092	0.101	0.371									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
23	13	P436-03	TF-556	1/31/81	31:	0:	24:	10	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.076	1193.2	575.7	466.4	2.388	113.6	573.3	31872.	586.9	606.3	0.50	1.229	0.413

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	448.9			548.7										554.5
	COEFF.	-0.272			-0.058										-0.045
290.0	ORIFICE	232	233					234							
	PRESSURE	462.0	483.4					524.2							
	COEFF.	-0.244	-0.198					-0.111							
288.0	ORIFICE	253	254					255							
	PRESSURE	639.7	489.0					520.6							
	COEFF.	0.137	-0.186					-0.118							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						517.9	520.0	518.3						
	COEFF.						-0.124	-0.120	-0.123						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		483.8					518.8	517.2	517.7	517.8				
	COEFF.		-0.197					-0.122	-0.125	-0.124	-0.124				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							494.9		495.2	496.1	503.5	501.5	496.3	
	COEFF.							-0.173		-0.173	-0.171	-0.155	-0.159	-0.170	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			526.3	530.5	551.2						503.4	494.2	489.3	
	COEFF.			-0.106	-0.097	-0.053						-0.155	-0.175	-0.185	
268.0	ORIFICE	216	217					218							
	PRESSURE	762.6	665.0					621.3							
	COEFF.	0.401	0.191					0.098							
260.0	ORIFICE	207			208										209
	PRESSURE	795.3			683.3										472.7
	COEFF.	0.471			0.231										-0.221

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	13	P436-03	TF-556	1/31/81	31: 0:24:10	0	288	02-27-81	22/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.076	1193.2	575.7	466.4	2.388	113.6	573.3	31872.	586.9	606.3	0.50	1.229	0.413

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			463.3			465.8	474.6		479.3		
	COEFFICIENT			-0.241			-0.236	-0.217		-0.207		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				463.2		461.0	468.3		477.7		
	COEFFICIENT				-0.241		-0.246	-0.230		-0.210		
	ORIFICE								276		277	
277.5	PRESSURE								562.9		483.1	
	COEFFICIENT								-0.028		-0.199	
	ORIFICE						271	272		273		274
276.0	PRESSURE						451.1	385.2		524.1		474.0
	COEFFICIENT						-0.267	-0.408		-0.111		-0.218
	ORIFICE	2918	2928									
260.0	PRESSURE	585.9	585.7									
	COEFFICIENT	0.022	0.021									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						460.2			481.4		
	COEFFICIENT						-0.248			-0.202		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.079	0.120			0.155		0.149		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.072			0.125		0.188	0.074	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.056	0.026			0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

AT 2-27-81 PROJECT NO. P43G-03
ARV[illegible] CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	14	P43G-03	TF-556	1/31/81	31:	0:	28:	1	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.244	1191.0	463.7	502.0	2.397	115.8	575.5	36484.	474.5	716.5	0.50	1.312	0.414

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	666.0	502.4	521.4	511.6	510.7	582.2									
	COEFF.	0.403	0.077	0.115	0.095	0.094	0.236									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	772.3	428.5	541.4	533.8	516.7	628.8									
	COEFF.	0.615	-0.070	0.155	0.140	0.106	0.329									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							484.9	484.9	428.9	376.8	375.3	399.1			
	COEFF.							0.042	0.042	-0.069	-0.173	-0.176	-0.129			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											361.1	362.1	365.3		
	COEFF.											-0.204	-0.203	-0.196		
	ORIFICE	220	221	222												
279.0	PRESSURE	779.9	442.3	518.5												
	COEFF.	0.630	-0.043	0.109												
	ORIFICE				223	224	225									
277.0	PRESSURE				525.1	518.8	673.3									
	COEFF.				0.122	0.110	0.417									
	ORIFICE											*291*	*292*	*293*		
275.0	PRESSURE											417.3	411.9	407.5		
	COEFF.											-0.092	-0.103	-0.112		
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	787.3	413.1	535.4	518.7	521.3	660.9									
	COEFF.	0.645	-0.101	0.143	0.110	0.115	0.393									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	795.6	387.4	499.2	502.4	514.2	589.0									
	COEFF.	0.661	-0.152	0.071	0.077	0.101	0.250									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	14	P436-03	TF-556	1/31/81	31	0	28	1	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.244	1191.0	463.7	592.0	2.397	115.8	575.5	36484.	474.5	716.5	0.50	1.312	0.414

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	341.9			452.2										459.1
	COEFF.	-0.243			-0.023										-0.009
290.0	ORIFICE	232	233					234							
	PRESSURE	355.3	363.0					422.0							
	COEFF.	-0.216	-0.201					-0.083							
288.0	ORIFICE	253	254					255							
	PRESSURE	526.1	392.0					461.0							
	COEFF.	0.124	-0.143					-0.005							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						490.1	465.2	454.1						
	COEFF.						0.053	0.003	-0.019						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		417.6					453.1	425.6	427.6	428.7				
	COEFF.		-0.092					-0.021	-0.076	-0.072	-0.070				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							400.6		399.9	402.0	409.2	403.2	391.7	
	COEFF.							-0.126		-0.127	-0.123	-0.109	-0.121	-0.143	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			416.7	417.7	440.3						406.1	385.2	370.2	
	COEFF.			-0.094	-0.092	-0.047						-0.115	-0.156	-0.186	
268.0	ORIFICE	216	217					218							
	PRESSURE	696.4	604.8					552.0							
	COEFF.	0.463	0.281					0.176							
260.0	ORIFICE	207			208										209
	PRESSURE	723.0			616.9										356.1
	COEFF.	0.516			0.305										-0.214

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	14	P436-03	TF-556	1/31/81	31: 0:28: 1	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.244	1191.0	463.7	502.0	2.397	115.8	575.5	36484.	474.5	716.5	0.50	1.312	0.414

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			333.1			336.5	359.3		374.0		
	COEFFICIENT			-0.260			-0.253	-0.208		-0.179		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				335.7		336.9	350.7		370.9		
	COEFFICIENT				-0.255		-0.253	-0.225		-0.165		
	ORIFICE							276		277		
277.5	PRESSURE							451.5		384.0		
	COEFFICIENT							-0.024		-0.158		
	ORIFICE						271	272		273		274
276.0	PRESSURE						326.5	261.9		426.9		353.9
	COEFFICIENT						-0.273	-0.402		-0.073		-0.219
	ORIFICE	3918	2928									
260.0	PRESSURE	473.6	473.8									
	COEFFICIENT	0.020	0.020									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						334.1			362.7		
	COEFFICIENT						-0.258			-0.201		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.036	0.0		0.079		0.107		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.084		0.134		0.152	0.061	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.058	0.026		0.029		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	15	P436-03	TF-556	1/31/81	31:	0:	28:	36	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.257	1199.8	458.7	507.6	2.411	116.2	575.9	36722.	469.5	730.3	0.50	1.322	0.411

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	659.4	498.4	515.4	506.0	510.0	580.4									
	COEFF.	0.395	0.078	0.112	0.093	0.101	0.240									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	765.2	404.5	535.0	526.3	510.6	629.8									
	COEFF.	0.604	-0.107	0.150	0.133	0.102	0.337									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							482.7	482.5	425.8	372.5	370.9	394.8			
	COEFF.							0.047	0.047	-0.065	-0.170	-0.173	-0.126			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											356.7	357.7	362.4		
	COEFF.											-0.201	-0.199	-0.190		
	ORIFICE	220	221	222												
278.0	PRESSURE	778.4	419.4	511.2												
	COEFF.	0.630	-0.077	0.103												
	ORIFICE				223	224	225									
277.0	PRESSURE				517.8	513.4	674.9									
	COEFF.				0.116	0.108	0.426									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													413.6	407.8	403.0
	COEFF.													-0.089	-0.100	-0.110
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	788.0	390.2	527.7	513.2	514.6	657.2									
	COEFF.	0.649	-0.135	0.136	0.107	0.110	0.391									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	798.8	356.7	497.2	496.9	507.1	570.1									
	COEFF.	0.670	-0.201	0.076	0.075	0.095	0.219									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	15	P43G-03	TF-556	1/31/81	31:	0:	28:	36	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.257	1199.8	458.7	507.6	2.411	116.2	575.9	36722.	469.5	730.3	0.50	1.322	0.411

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	336.2			448.9										453.9
	COEFF.	-0.241			-0.019										-0.009
290.0	ORIFICE	232	233					234							
	PRESSURE	351.1	356.1					415.3							
	COEFF.	-0.212	-0.202					-0.085							
288.0	ORIFICE	253	254					255							
	PRESSURE	509.0	388.9					457.3							
	COEFF.	0.099	-0.137					-0.003							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						485.3	461.1	450.4						
	COEFF.						0.053	0.005	-0.016						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		412.6					449.9	421.7	423.7	421.5				
	COEFF.		-0.091					-0.017	-0.073	-0.069	-0.073				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							397.3		395.9	397.8	405.1	398.8	386.5	
	COEFF.							-0.121		-0.124	-0.120	-0.106	-0.118	-0.142	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			408.9	409.6	433.0						403.7	381.1	365.0	
	COEFF.			-0.098	-0.097	-0.051						-0.108	-0.153	-0.185	
268.0	ORIFICE	216	217					218							
	PRESSURE	697.5	605.5					552.4							
	COEFF.	0.470	0.289					0.185							
260.0	ORIFICE	207			208										209
	PRESSURE	725.2			616.5										348.9
	COEFF.	0.525			0.311										-0.216

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
23	15	P436-03	TF-556	1/31/81	31:	0:	28:	36	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.257	1199.8	458.7	507.6	2.411	116.2	575.9	36722	469.5	730.3	0.50	1.322	0.411

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			325.0			328.2	354.2		368.9		
	COEFFICIENT			-0.263			-0.257	-0.206		-0.177		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				327.6		329.2	344.6		365.3		
	COEFFICIENT				-0.258		-0.255	-0.225		-0.184		
	ORIFICE							276		277		
277.5	PRESSURE							446.5		378.4		
	COEFFICIENT							-0.024		-0.150		
	ORIFICE						271	272		273		274
276.0	PRESSURE						317.7	250.3		422.9		346.8
	COEFFICIENT						-0.278	-0.411		-0.070		-0.220
	ORIFICE	2918	2928									
260.0	PRESSURE	466.9	466.8									
	COEFFICIENT	0.016	0.016									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						325.8			355.0		
	COEFFICIENT						-0.262			-0.204		

KULITE RMS VALUES

281.0	ORIFICE			410	411			412		413		
	VALUE			0.037	0.0			0.083		0.101		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.086			0.137		0.153	0.062	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.058	0.027			0.033		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
23	16	P436-03	TF-556	1/31/81	31	0	28	49	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16I

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.264	1188.5	450.3	503.6	2.389	115.9	575.6	37121.	461.0	727.5	0.50	1.326	0.415

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	648.0	491.7	507.3	497.6	501.9	575.9									
COEFF.	0.393	0.082	0.113	0.094	0.102	0.249									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	758.8	398.6	527.8	517.9	505.2	622.4									
COEFF.	0.613	-0.103	0.154	0.134	0.109	0.342									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							477.0	476.4	420.1	363.8	362.4	385.8			
COEFF.							0.053	0.052	-0.060	-0.172	-0.175	-0.128			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											350.2	351.6	355.7		
COEFF.											-0.199	-0.196	-0.186		
ORIFICE	220	221	222												
278.0 PRESSURE	770.5	391.9	504.5												
COEFF.	0.636	-0.116	0.198												
ORIFICE				223	224	225									
277.0 PRESSURE				511.8	508.8	667.3									
COEFF.				0.122	0.116	0.431									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											406.3	400.6	395.8		
COEFF.											-0.087	-0.099	-0.108		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	777.7	350.7	517.2	503.2	502.4	645.7									
COEFF.	0.650	-0.198	0.133	0.105	0.103	0.388									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	790.6	326.8	489.3	486.9	498.3	553.8									
COEFF.	0.676	-0.245	0.077	0.073	0.095	0.205									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	16	P436-03	TF-556	1/31/81	31	0	28	49	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.264	1188.5	450.3	503.6	2.389	115.9	575.6	37121.	461.0	727.5	0.50	1.326	0.415

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.09

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	330.1			442.6										448.9
	COEFF.	-0.239			-0.015										-0.003
290.0	ORIFICE	232	233					234							
	PRESSURE	343.1	348.0					404.0							
	COEFF.	-0.213	-0.203					-0.092							
288.0	ORIFICE	253	254					255							
	PRESSURE	503.1	382.2					450.4							
	COEFF.	0.105	-0.135					0.000							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						479.2	454.1	443.4						
	COEFF.						0.057	0.007	-0.014						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		404.2					443.6	414.3	416.3	414.3				
	COEFF.		-0.092					-0.013	-0.072	-0.068	-0.071				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							390.4		389.6	391.9	398.1	391.4	380.0	
	COEFF.							-0.119		-0.121	-0.116	-0.104	-0.117	-0.140	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			401.6	402.5	424.7						398.5	375.4	357.5	
	COEFF.			-0.097	-0.095	-0.051						-0.103	-0.149	-0.184	
268.0	ORIFICE	216	217					218							
	PRESSURE	689.8	596.4					540.6							
	COEFF.	0.475	0.290					0.179							
260.0	ORIFICE	207			208										209
	PRESSURE	717.3			606.3										343.2
	COEFF.	0.530			0.310										-0.213

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	16	P436-03	TF-556	1/31/81	31: 0:28:49	0	28A	02-27-81	22/	1	3	1.

M	PT	P	Q	PEX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.264	1188.5	450.3	503.6	2.389	115.9	575.6	37121.	461.0	727.5	0.50	1.326	0.415

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			318.4			321.7	348.5		363.6		
	COEFFICIENT			-0.262			-0.255	-0.202		-0.172		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				321.1		323.0	338.9		358.8		
	COEFFICIENT				-0.257		-0.253	-0.221		-0.184		
	ORIFICE							276		277		
277.5	PRESSURE							437.8		372.6		
	COEFFICIENT							-0.025		-0.154		
	ORIFICE						271	272		273		274
276.0	PRESSURE						311.5	244.9		416.1		341.0
	COEFFICIENT						-0.276	-0.408		-0.068		-0.217
	ORIFICE	291B	292B									
260.0	PRESSURE	458.0	458.0									
	COEFFICIENT	0.015	0.015									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						319.2			348.5		
	COEFFICIENT						-0.260			-0.202		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.035	0.0			0.082		0.104		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.0	0.086			0.135		0.151	0.062	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.059	0.026			0.033		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOEF	SET	CART	TRANSONIC 16T
23	17	P436-03	TF-556	1/31/81	31	0	34	11	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.408	1164.3	365.9	502.0	2.297	117.9	577.6	41532.	375.8	788.5	0.50	1.411	0.400

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	564.4	203.2	399.4	415.7	410.8	504.7									
	COEFF.	0.395	-0.324	0.067	0.099	0.089	0.276									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	683.9	222.9	385.8	427.1	410.6	543.4									
	COEFF.	0.633	-0.285	0.040	0.122	0.089	0.354									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							405.7	407.7	358.5	304.5	303.2	323.4			
	COEFF.							0.079	0.083	-0.015	-0.122	-0.125	-0.085			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											296.9	301.4	300.5		
	COEFF.											-0.138	-0.128	-0.130		
	ORIFICE	220	221	222												
278.0	PRESSURE	698.3	241.3	384.1												
	COEFF.	0.662	-0.248	0.036												
	ORIFICE				223	224	225									
277.0	PRESSURE				415.2	405.9	542.3									
	COEFF.				0.098	0.080	0.351									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													349.0	342.3	335.3
	COEFF.													-0.034	-0.047	-0.061
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	700.6	236.0	403.0	419.6	403.9	451.0									
	COEFF.	0.667	-0.259	0.074	0.089	0.076	0.170									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	712.2	249.7	390.1	404.7	402.2	403.1									
	COEFF.	0.690	-0.232	0.048	0.077	0.072	0.074									

DATE, 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	17	P43G-03	TF-556	1/31/81	31	0	34	11	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.400	1164.3	365.9	502.0	2.297	117.9	577.6	41532.	375.8	788.5	0.50	1.411	0.400

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV														
300.0 ORIFICE	242			243										244
PRESSURE	269.3			301.8										385.0
COEFF.	-0.192			-0.128										0.038
290.0 ORIFICE	232	233					234							
PRESSURE	287.9	272.8					293.9							
COEFF.	-0.155	-0.185					-0.143							
288.0 ORIFICE	253	254					255							
PRESSURE	396.1	312.2					342.0							
COEFF.	0.060	-0.107					-0.048							
287.0 ORIFICE						*316*	*317*	*318*						
PRESSURE						354.3	344.6	340.5						
COEFF.						-0.023	-0.042	-0.051						
285.0 ORIFICE		251					252	*319*	*320*	*321*				
PRESSURE		321.9					339.9	323.7	323.5	318.8				
COEFF.		-0.088					-0.052	-0.084	-0.084	-0.094				
282.0 ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
PRESSURE							318.8		318.2	318.2	309.9	305.1	293.3	
COEFF.							-0.094		-0.095	-0.095	-0.112	-0.121	-0.145	
275.0 ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
PRESSURE			321.2	318.8	341.4						329.2	301.7	281.4	
COEFF.			-0.089	-0.094	-0.049						-0.073	-0.128	-0.168	
268.0 ORIFICE	216	217					218							
PRESSURE	612.6	546.7					434.7							
COEFF.	0.492	0.360					0.137							
260.0 ORIFICE	207			208										209
PRESSURE	616.3			550.3										265.5
COEFF.	0.499			0.367										-0.200

DATE 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	17	P436-03	TF-556	1/31/81	31	0	34	11	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.400	1164.3	365.9	502.0	2.297	117.9	577.6	41532	375.8	788.5	0.50	1.411	0.400

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			234.6			235.8	291.9		291.3		
	COEFFICIENT			-0.262			-0.259	-0.147		-0.149		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				239.0		247.3	261.3		280.6		
	COEFFICIENT				-0.253		-0.236	-0.208		-0.170		
	ORIFICE							276		277		
277.5	PRESSURE							363.4		284.8		
	COEFFICIENT							-0.005		-0.161		
	ORIFICE						271	272		273		274
276.0	PRESSURE						213.8	170.0		344.0		262.0
	COEFFICIENT						-0.303	-0.390		-0.044		-0.207
	ORIFICE	291B	292B									
260.0	PRESSURE	377.3	377.4									
	COEFFICIENT	0.023	0.023									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						238.5			259.1		
	COEFFICIENT						-0.254			-0.213		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.0	0.0		0.044		0.097		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.085		0.152		0.145	0.056	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.062	0.024		0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.0880	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	18	P436-03	TF-556	1/31/81	31: 0:34:49	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.403	1179.0	369.1	508.3	2.328	117.2	576.9	41350.	379.1	799.9	0.50	1.416	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	571.5	203.6	402.7	419.5	415.5	509.2									
	COEFF.	0.398	-0.326	0.066	0.099	0.091	0.276									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	691.9	224.7	386.9	430.8	413.3	547.2									
	COEFF.	0.635	-0.284	0.035	0.121	0.087	0.350									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							409.6	411.9	361.4	308.1	306.3	326.7			
	COEFF.							0.080	0.084	-0.015	-0.120	-0.124	-0.083			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													300.2	304.7	303.8
	COEFF.													-0.136	-0.127	-0.129
	ORIFICE	220	221	222												
278.0	PRESSURE	706.8	244.3	386.5												
	COEFF.	0.664	-0.246	0.034												
	ORIFICE				223	224	225									
277.0	PRESSURE				420.2	410.5	545.1									
	COEFF.				0.100	0.082	0.346									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													353.1	346.2	339.2
	COEFF.													-0.031	-0.045	-0.059
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	709.9	238.6	405.9	416.7	409.2	449.9									
	COEFF.	0.670	-0.257	0.072	0.094	0.079	0.159									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	721.5	252.9	394.2	410.1	407.3	407.4									
	COEFF.	0.693	-0.229	0.049	0.081	0.075	0.075									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
23	18	P436-03	TF-556	1/31/81	31	0:	34:	49	0	288	02-27-81	22/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.403	1179.0	369.1	508.3	2.328	117.2	576.9	41350.	379.1	799.9	0.50	1.416	0.416

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	271.3			301.5										389.4
	COEFF.	-0.192			-0.133										0.040
290.0	ORIFICE	232	233					234							
	PRESSURE	289.1	275.5					296.5							
	COEFF.	-0.157	-0.184					-0.143							
288.0	ORIFICE	253	254					255							
	PRESSURE	386.7	315.4					345.1							
	COEFF.	0.035	-0.106					-0.047							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						354.4	347.9	343.2						
	COEFF.						-0.029	-0.042	-0.051						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		324.8					342.6	326.5	326.2	322.5				
	COEFF.		-0.087					-0.052	-0.084	-0.084	-0.092				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							321.2		320.4	321.5	313.4	308.2	296.6	
	COEFF.							-0.094		-0.096	-0.094	-0.110	-0.120	-0.143	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			324.0	321.4	343.9						334.2	305.4	283.8	
	COEFF.			-0.089	-0.094	-0.050						-0.069	-0.125	-0.168	
268.0	ORIFICE	216	217					218							
	PRESSURE	617.4	553.4					438.8							
	COEFF.	0.488	0.363					0.137							
260.0	ORIFICE	207			208										209
	PRESSURE	619.5			556.9										266.8
	COEFF.	0.493			0.369										-0.201

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
23	18	P436-03	TF-556	1/31/81	31:	0:	34:	49	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.403	1179.0	369.1	508.3	2.328	117.2	576.9	41350.	379.1	799.9	0.50	1.416	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			236.1			237.3	295.9		294.5		
	COEFFICIENT			-0.262			-0.259	-0.144		-0.147		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				240.7		248.9	263.7		283.6		
	COEFFICIENT				-0.253		-0.237	-0.207		-0.168		
	ORIFICE							276		277		
277.5	PRESSURE							365.6		286.9		
	COEFFICIENT							-0.007		-0.196		
	ORIFICE						271	272		273		274
276.0	PRESSURE						213.3	167.8		346.8		264.0
	COEFFICIENT						-0.306	-0.396		-0.044		-0.207

	ORIFICE	291B	292B
260.0	PRESSURE	379.2	379.2
	COEFFICIENT	0.020	0.020

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	240.3	260.8
	COEFFICIENT	-0.253	-0.213

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.0	0.0		0.044		0.102	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.0	0.085		0.156		0.147	0.058
273.0	ORIFICE	401	402		403		404	
	VALUE	0.063	0.024		0.0		0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEL	CART	TRANSONIC 16T
23	19	P436-03	TF-556	1/31/81	31	0	35	2	0	288	02-27-81	22/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.403	1178.3	368.5	508.0	2.325	117.5	577.2	41384.	378.5	799.8	0.50	1.414	0.416

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
300.0	ORIFICE	236	237	238	239	240	241									
	PRESSURE	570.5	202.8	401.9	418.8	414.7	508.8									
	COEFF.	0.398	-0.326	0.066	0.099	0.091	0.276									
290.0	ORIFICE	226	227	228	229	230	231									
	PRESSURE	691.0	224.7	386.5	430.2	412.5	547.0									
	COEFF.	0.635	-0.283	0.035	0.121	0.087	0.351									
287.0	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
	PRESSURE							409.3	410.6	360.1	306.6	305.7	326.3			
	COEFF.							0.080	0.083	-0.017	-0.122	-0.124	-0.083			
282.0	ORIFICE													*301*	*302*	*303*
	PRESSURE													299.8	304.5	302.9
	COEFF.													-0.135	-0.126	-0.129
278.0	ORIFICE	220	221	222												
	PRESSURE	705.7	244.2	385.9												
	COEFF.	0.664	-0.245	0.034												
277.0	ORIFICE				223	224	225									
	PRESSURE				419.7	410.0	544.2									
	COEFF.				0.101	0.082	0.346									
275.0	ORIFICE													*291*	*292*	*293*
	PRESSURE													352.5	345.6	338.7
	COEFF.													-0.032	-0.045	-0.059
268.0	ORIFICE	210	211	212	213	214	215									
	PRESSURE	709.5	238.4	405.3	416.1	408.7	448.7									
	COEFF.	0.671	-0.256	0.072	0.094	0.079	0.158									
260.0	ORIFICE	201	202	203	204	205	206									
	PRESSURE	721.9	252.7	393.9	409.6	406.9	406.9									
	COEFF.	0.694	-0.228	0.050	0.081	0.076	0.075									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	19	P436-03	TF-556	1/31/81	31	0	35	2	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.403	1178.3	368.5	508.0	2.325	117.5	577.2	41384.	378.5	799.8	0.50	1.414	0.418

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV														
ORIFICE	242			243										244
300.0 PRESSURE	270.7			300.6										389.6
COEFF.	-0.192			-0.134										0.041
ORIFICE	232	233					234							
290.0 PRESSURE	288.7	275.0					295.9							
COEFF.	-0.157	-0.184					-0.143							
ORIFICE	253	254					255							
288.0 PRESSURE	382.9	314.7					345.2							
COEFF.	0.028	-0.106					-0.046							
ORIFICE						*316*	*317*	*318*						
287.0 PRESSURE						355.1	346.9	342.4						
COEFF.						-0.026	-0.043	-0.051						
ORIFICE		251					252	*319*	*320*	*321*				
285.0 PRESSURE		324.7					341.8	326.6	326.4	323.2				
COEFF.		-0.086					-0.053	-0.083	-0.083	-0.089				
ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
282.0 PRESSURE							320.6		319.6	320.3	312.6	307.4	295.7	
COEFF.							-0.094		-0.096	-0.095	-0.110	-0.120	-0.143	
ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
275.0 PRESSURE			323.2	320.6	343.0						333.9	304.8	282.8	
COEFF.			-0.089	-0.094	-0.050						-0.068	-0.125	-0.169	
ORIFICE	216	217					218							
268.0 PRESSURE	617.1	552.9					438.2							
COEFF.	0.489	0.363					0.137							
ORIFICE	207			208										209
260.0 PRESSURE	619.0			556.3										266.7
COEFF.	0.493			0.370										-0.200

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD. DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	19	P436-03	TF-556	1/31/81	31:	0:	35:	2	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
1.403	1178.3	368.5	508.0	2.325	117.5	577.2	41384.	378.5	799.8	0.50	1.414	0.416

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			235.7			237.0	295.2		293.3		
	COEFFICIENT			-0.261			-0.259	-0.144		-0.148		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				240.4		248.5	263.1		282.7		
	COEFFICIENT				-0.252		-0.236	-0.208		-0.169		
	ORIFICE							276		277		
277.5	PRESSURE							364.9		286.2		
	COEFFICIENT							-0.007		-0.162		
	ORIFICE						271	272		273		274
276.0	PRESSURE						212.4	167.0		346.3		263.5
	COEFFICIENT						-0.307	-0.397		-0.044		-0.207

	ORIFICE	2918	2928
260.0	PRESSURE	378.4	378.3
	COEFFICIENT	0.020	0.019

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	240.3	260.0
	COEFFICIENT	-0.252	-0.214

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.0	0.0		0.046		0.100	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.0	0.087		0.155		0.145	0.057
273.0	ORIFICE	401	402		403		404	
	VALUE	0.063	0.024		0.0		0.0	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	9.9990

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
23	20	P436-03	TF-556	1/31/81	31: 0:37:42	0	288	02-27-81	22/	1	3	1.

M	PT	P	Q	REX10**6	TT	TTR	H	PC	DP	WA	TPR	SHX10**3
0.833	744.4	472.5	229.3	1.382	110.0	569.7	36074.	479.2	265.2	0.50	1.221	0.625

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	559.5	480.9	486.3	497.2	491.2	469.6									
COEFF.	0.379	0.037	0.069	0.108	0.082	-0.013									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	601.7	480.5	492.2	495.9	501.1	496.7									
COEFF.	0.563	0.035	0.086	0.102	0.125	0.105									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							450.0	453.2	433.4	422.9	419.0	422.2			
COEFF.							-0.098	-0.084	-0.171	-0.216	-0.231	-0.219			
ORIEICE											*301*	*302*	*303*		
282.0 PRESSURE											417.1	418.2	414.4		
COEFF.											-0.242	-0.237	-0.253		
ORIFICE	220	221	222												
278.0 PRESSURE	610.3	471.4	486.2												
COEFF.	0.601	-0.005	0.060												
ORIEICE				223	224	225									
277.0 PRESSURE				493.2	498.3	534.2									
COEFF.				0.090	0.113	0.269									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											436.6	435.1	433.3		
COEFF.											-0.157	-0.163	-0.171		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	614.8	472.8	490.6	491.6	496.1	539.5									
COEFF.	0.621	0.001	0.079	0.083	0.103	0.292									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	620.8	468.9	486.1	488.8	493.9	536.8									
COEFF.	0.646	-0.016	0.059	0.071	0.093	0.280									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	20	P436-03	TF-556	1/31/81	31: 0:37:42	0	288	02-27-81	22/	1	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.833	744.4	472.5	229.3	1.382	110.0	569.7	36074.	479.2	265.2	0.50	1.221	0.625

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	424.1			431.9										439.5
	COEFF.	-0.211			-0.177										-0.144
290.0	ORIFICE	232	233				234								
	PRESSURE	414.9	420.1				426.8								
	COEFF.	-0.251	-0.229				-0.199								
288.0	ORIFICE	253	254				255								
	PRESSURE	375.4	419.4				426.8								
	COEFF.	-0.424	-0.231				-0.199								
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					428.0	428.5	427.4							
	COEFF.					-0.194	-0.192	-0.197							
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		416.5				425.6	426.4	426.5	423.7					
	COEFF.		-0.244				-0.205	-0.201	-0.201	-0.213					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						423.0		422.3	423.2	422.2	422.6	419.4		
	COEFF.						-0.216		-0.219	-0.215	-0.220	-0.218	-0.232		
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			434.1	436.4	449.9						432.2	427.2	426.5	
	COEFF.			-0.167	-0.157	-0.098						-0.170	-0.198	-0.201	
268.0	ORIFICE	216	217				218								
	PRESSURE	529.6	489.8				468.4								
	COEFF.	0.249	0.076				-0.018								
260.0	ORIFICE	207			208										209
	PRESSURE	547.8			498.6										415.1
	COEFF.	0.328			0.114										-0.250

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
23	20	P436-03	TF-556	1/31/81	31: 0:37:42	0	280	02-27-81	22/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.833	744.4	472.5	229.3	1.382	110.0	569.7	36074.	479.2	265.2	0.50	1.221	0.625

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	1.40 ENTRY NOMINAL	0.0	0.0	55.00

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			418.1			411.6	413.9		418.9		
	COEFFICIENT			-0.237			-0.266	-0.255		-0.234		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				417.1		410.9	414.6		420.4		
	COEFFICIENT				-0.242		-0.269	-0.253		-0.227		
	ORIFICE							276		277		
277.5	PRESSURE							471.4		416.1		
	COEFFICIENT							-0.005		-0.246		
	ORIFICE						271	272		273		274
276.0	PRESSURE						408.1	375.2		454.2		420.2
	COEFFICIENT						-0.281	-0.424		-0.080		-0.228

		291B	292B
260.0	ORIFICE		
	PRESSURE	482.7	483.2
	COEFFICIENT	0.044	0.046

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						411.3			423.2		
	COEFFICIENT						-0.267			-0.215		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.068	0.053		0.063		0.067		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.0	0.033		0.118		0.098	0.041	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.051	0.0		0.0		0.0		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
29	2	P43G-03	TF-556	2/ 3/81	34:20:10:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.788	1401.6	930.5	404.4	2.607	97.5	557.2	21024.	943.5	458.1	0.50	1.199	0.693

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
300.0	ORIFICE	236	237	238	239	240	241									
	PRESSURE	1013.7	997.1	982.8	963.7	914.9	859.6									
	COEFF.	0.206	0.165	0.129	0.082	-0.038	-0.175									
290.0	ORIFICE	226	227	228	229	230	231									
	PRESSURE	1091.8	1007.7	999.9	975.4	938.3	844.3									
	COEFF.	0.399	0.191	0.172	0.111	0.019	-0.213									
287.0	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
	PRESSURE							748.0	745.9	755.1	837.4	840.2	862.7			
	COEFF.							-0.451	-0.456	-0.434	-0.230	-0.224	-0.168			
282.0	ORIFICE											*301*	*302*	*303*		
	PRESSURE											824.7	836.0	850.3		
	COEFF.											-0.262	-0.234	-0.198		
276.0	ORIFICE	220	221	222												
	PRESSURE	1129.0	1006.3	1003.2												
	COEFF.	0.491	0.187	0.180												
277.0	ORIFICE				223	224	225									
	PRESSURE				982.4	945.9	855.8									
	COEFF.				0.128	0.038	-0.185									
275.0	ORIFICE											*291*	*292*	*293*		
	PRESSURE											838.6	841.8	847.7		
	COEFF.											-0.227	-0.219	-0.205		
268.0	ORIFICE	210	211	212	213	214	215									
	PRESSURE	1133.3	1004.5	1009.6	980.5	961.4	869.4									
	COEFF.	0.502	0.183	0.196	0.143	0.077	-0.151									
260.0	ORIFICE	201	202	203	204	205	206									
	PRESSURE	1153.1	1000.9	1000.5	987.0	968.8	886.5									
	COEFF.	0.551	0.174	0.173	0.140	0.095	-0.109									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
29	2	P436-03	TF-556	2/ 3/81		34	20	10:17	0	288	02-27-81	.26/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.788	1401.6	930.5	404.4	2.607	97.5	557.2	21024.	943.5	458.1	0.50	1.199	0.693

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	850.6			910.5										978.4
	COEFF.	-0.198			-0.049										0.119
290.0	ORIFICE	232	233					234							
	PRESSURE	807.6	891.3					923.4							
	COEFF.	-0.304	-0.097					-0.017							
288.0	ORIFICE	253	254					255							
	PRESSURE	716.6	901.9					928.5							
	COEFF.	-0.529	-0.071					-0.005							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						934.2	931.8	933.0						
	COEFF.						0.009	0.003	0.006						
285.0	ORIFICE			251				252	*319*	*320*	*321*				
	PRESSURE			896.3				939.9	931.0	931.6	930.6				
	COEFF.			-0.085				0.023	0.001	0.003	0.000				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							947.2		948.7	949.4	944.8	947.6	952.6	
	COEFF.							0.041		0.045	0.047	0.035	0.042	0.055	
275.0	ORIFICE				*294*	*295*	*296*					*297*	*298*	*299*	
	PRESSURE				916.1	931.0	947.3					935.5	934.0	933.8	
	COEFF.				-0.036	0.001	0.042					0.012	0.009	0.008	
268.0	ORIFICE	216	217					218							
	PRESSURE	828.8	869.2					911.8							
	COEFF.	-0.252	-0.152					-0.046							
260.0	ORIFICE	207			208										209
	PRESSURE	827.2			879.9										881.8
	COEFF.	-0.256			-0.125										-0.120

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
29	2	P436-03	TF-556	2/ 3/81	34	20	10	17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.788	1401.6	938.5	404.4	2.607	97.5	557.2	21024.	943.5	458.1	0.50	1.199	0.693

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.91	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			785.7			844.9	883.8		918.1		
	COEFFICIENT			-0.358			-0.212	-0.116		-0.031		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			777.6			918.9	975.2		943.9		
	COEFFICIENT			-0.378			-0.029	0.110		0.033		
	ORIFICE							276		277		
277.5	PRESSURE							946.4		881.7		
	COEFFICIENT							0.039		-0.121		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		939.4		930.4
	COEFFICIENT						9.999	9.999		0.022		-0.000
	ORIFICE	2918	2928									
260.0	PRESSURE	919.3	923.0									
	COEFFICIENT	-0.028	-0.019									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						893.5			893.1		
	COEFFICIENT						-0.091			-0.092		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.114	0.097			0.078			0.052	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.063	0.194			0.129			0.087	0.066
273.0	ORIFICE			401	402			403			404	
	VALUE			0.093	0.058			0.042			0.042	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE 2-[illegible]-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
29	3	P436-03	TF-556	2/ 3/81	34:20:10:22	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.794	1414.4	933.8	411.6	2.637	98.0	557.7	20939.	947.0	467.4	0.50	1.198	0.686

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 900ST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1018.8	1001.8	987.3	967.9	917.9	861.7									
COEFF.	0.207	0.165	0.130	0.083	-0.039	-0.175									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1099.1	1012.8	1004.9	979.9	941.8	845.6									
COEFF.	0.402	0.192	0.173	0.112	0.019	-0.214									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							747.4	744.2	753.9	837.7	840.5	860.8			
COEFF.							-0.453	-0.461	-0.437	-0.234	-0.227	-0.177			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											825.0	835.2	850.4		
COEFF.											-0.264	-0.240	-0.203		
ORIFICE	220	221	222												
278.0 PRESSURE	1136.9	1010.9	1008.0												
COEFF.	0.493	0.187	0.180												
ORIFICE				223	224	225									
277.0 PRESSURE				987.0	949.9	857.6									
COEFF.				0.129	0.039	-0.185									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													839.1	842.4	848.1
COEFF.													-0.230	-0.222	-0.208
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1141.5	1009.2	1015.5	993.1	965.9	871.8									
COEFF.	0.504	0.183	0.198	0.144	0.078	-0.151									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1161.5	1005.6	1005.4	991.9	973.2	889.7									
COEFF.	0.553	0.174	0.174	0.141	0.096	-0.107									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND-TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
29	3	P436-03	TF-556	2/ 3/81	34	20	10	22	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.794	1414.4	933.8	411.6	2.637	98.0	557.7	20939.	947.0	467.4	0.50	1.198	0.686

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111=0	STS-1 800ST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV														
300.0 ORIFICE	242			243										244
PRESSURE	852.4			913.3										982.5
COEFF.	-0.198			-0.050										0.118
290.0 ORIFICE	232	233					234							
PRESSURE	807.8	893.0					926.1							
COEFF.	-0.306	-0.099					-0.019							
288.0 ORIFICE	253	254					255							
PRESSURE	721.7	903.7					931.0							
COEFF.	-0.515	-0.073					-0.007							
287.0 ORIFICE						*316*	*317*	*318*						
PRESSURE						937.0	934.4	935.4						
COEFF.						0.008	0.001	0.004						
285.0 ORIFICE				251			252	*319*	*320*	*321*				
PRESSURE				898.3			943.1	933.8	934.2	934.5				
COEFF.				-0.086			0.023	-0.000	0.001	0.002				
282.0 ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
PRESSURE							950.2		951.7	952.2	947.6	950.5	956.3	
COEFF.							0.040		0.043	0.045	0.034	0.040	0.055	
275.0 ORIFICE				*294*	*295*	*296*					*297*	*298*	*299*	
PRESSURE				916.1	931.7	950.0					937.9	936.2	936.4	
COEFF.				-0.043	-0.005	0.039					0.010	0.006	0.006	
268.0 ORIFICE	216	217					218							
PRESSURE	829.7	870.7					914.3							
COEFF.	-0.253	-0.153					-0.047							
260.0 ORIFICE	207			208										209
PRESSURE	827.6			881.8										884.1
COEFF.	-0.258			-0.126										-0.121

DATE 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
29	3	P436-03	TF-556	2/ 3/81	34:20:10:22	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.794	1414.4	933.8	411.6	2.637	98.0	557.7	20939.	947.0	467.4	0.50	1.198	0.686

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			784.5			844.4	884.8		921.2		
	COEFFICIENT			-0.363			-0.217	-0.119		-0.031		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				776.2		923.7	980.7		947.4		
	COEFFICIENT				-0.383		-0.025	0.114		0.033		
	ORIFICE							276		277		
277.5	PRESSURE							950.3		888.9		
	COEFFICIENT							0.040		-0.109		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		942.9		933.6
	COEFFICIENT						9.999	9.999		0.022		-0.001
	ORIFICE	2918	2928									
260.0	PRESSURE	922.3	925.9									
	COEFFICIENT	-0.028	-0.019									

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	895.7	895.2
	COEFFICIENT	-0.093	-0.094

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.118	0.101		0.080		0.055	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.066	0.204		0.133		0.088	0.066
273.0	ORIFICE	401	402		403		404	
	VALUE	0.095	0.060		0.043		0.044	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE 2-27-81 PROJECT NO. P430-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
30	1	P436-03	TF-556	2/ 3/81	34	20	15	51	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1855.0	1215.2	546.4	3.433	103.4	563.1	14551.	1233.0	622.0	0.50	1.174	0.650

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1328.1	1306.7	1286.7	1260.6	1194.4	1121.4									
	COEFF.	0.207	0.168	0.131	0.083	-0.038	-0.172									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1438.6	1323.7	1311.6	1278.0	1227.4	1096.6									
	COEFF.	0.409	0.199	0.177	0.115	0.022	-0.217									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							968.0	958.2	978.3	1087.3	1092.3	1120.0			
	COEFF.							-0.452	-0.470	-0.434	-0.234	-0.225	-0.174			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													1072.6	1088.3	1108.5
	COEFF.													-0.261	-0.232	-0.195
	ORIFICE	220	221	222												
278.0	PRESSURE	1488.7	1320.5	1316.1												
	COEFF.	0.501	0.193	0.185												
	ORIFICE				223	224	225									
277.0	PRESSURE				1288.2	1237.7	1117.1									
	COEFF.				0.134	0.041	-0.179									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													1089.0	1092.3	1099.3
	COEFF.													-0.231	-0.225	-0.212
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1496.4	1318.1	1326.1	1296.9	1259.7	1134.7									
	COEFF.	0.515	0.188	0.203	0.150	0.082	-0.147									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1523.0	1313.3	1311.6	1294.6	1269.3	1157.7									
	COEFF.	0.563	0.180	0.176	0.145	0.099	-0.105									

DATE 2/ 7-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
30	1	P436-03	TF-556	2/ 3/81	34:20:15:51	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1855.0	1215.2	546.4	3.433	103.4	563.1	14551.	1233.0	622.0	0.50	1.174	0.650

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1109.4			1191.0										1283.4
	COEFF.	-0.194			-0.044										0.125
290.0	ORIFICE	232	233					234							
	PRESSURE	1046.7	1161.3					1203.8							
	COEFF.	-0.308	-0.099					-0.021							
288.0	ORIFICE	253	254					255							
	PRESSURE	1032.8	1175.9					1215.3							
	COEFF.	-0.334	-0.072					0.000							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1222.2	1218.1	1219.2						
	COEFF.						0.013	0.005	0.007						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1174.0					1228.8	1216.1	1217.6	1217.7				
	COEFF.		-0.075					0.025	0.002	0.004	0.005				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1236.7		1238.8	1239.3	1235.6	1241.2	1246.9	
	COEFF.							0.039		0.043	0.044	0.038	0.048	0.058	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1182.6	1206.5	1235.8						1224.6	1220.9	1220.9	
	COEFF.			-0.060	-0.016	0.038						0.017	0.010	0.010	
268.0	ORIFICE	216	217					218							
	PRESSURE	1078.1	1131.8					1187.9							
	COEFF.	-0.251	-0.153					-0.050							
260.0	ORIFICE	207			208										209
	PRESSURE	1071.5			1145.0										1147.8
	COEFF.	-0.263			-0.128										-0.123

DATE 2-27-81 PROJECT NO. P430-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	1	P43G-03	TF-556	2/ 3/81	34:20:15:51	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1855.0	1215.2	546.4	3.433	103.4	563.1	14551.	1233.0	622.0	0.50	1.174	0.650

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		x/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1009.3			1094.1	1151.4		1200.7		
	COEFFICIENT			-0.377			-0.222	-0.117		-0.026		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				994.5		1223.8	1285.8		1230.1		
	COEFFICIENT				-0.404		0.016	0.129		0.027		
	ORIFICE							276		277		
277.5	PRESSURE							1237.5		1234.4		
	COEFFICIENT							0.041		0.049		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1232.6		1217.5
	COEFFICIENT						9.999	9.999		0.032		0.004

	ORIFICE	291B	292B
260.0	PRESSURE	1200.9	1206.2
	COEFFICIENT	-0.026	-0.016

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1166.3			1166.0		
	COEFFICIENT						-0.089			-0.090		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.164	0.141			0.117		0.085		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.108	0.288			0.171		0.121	0.087	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.119	0.085			0.066		0.063		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	2	P436-03	TF-556	2/ 3/81	34:	20:	16:	48	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.802	1682.1	1232.4	554.7	3.487	103.0	562.7	14201.	1250.5	631.6	0.50	1.176	0.676

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1346.7	1325.0	1304.7	1278.1	1211.0	1137.2									
COEFF.	0.206	0.167	0.130	0.083	-0.039	-0.172									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1459.7	1342.3	1330.2	1296.1	1244.7	1111.9									
COEFF.	0.410	0.198	0.176	0.115	0.022	-0.217									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							981.9	971.8	993.0	1103.5	1107.8	1136.8			
COEFF.							-0.452	-0.470	-0.432	-0.232	-0.225	-0.172			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											1087.5	1104.1	1124.5		
COEFF.											-0.261	-0.231	-0.195		
ORIFICE	220	221	222												
278.0 PRESSURE	1510.2	1339.3	1334.7												
COEFF.	0.501	0.193	0.184												
ORIFICE				223	224	225									
277.0 PRESSURE				1306.3	1255.0	1132.2									
COEFF.				0.133	0.041	-0.181									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											1104.3	1107.6	1114.9		
COEFF.											-0.231	-0.225	-0.212		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1518.0	1336.9	1345.0	1315.2	1277.4	1150.6									
COEFF.	0.515	0.188	0.203	0.149	0.081	-0.147									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1545.8	1332.0	1330.4	1312.9	1287.3	1174.1									
COEFF.	0.565	0.180	0.177	0.145	0.099	-0.105									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
30	2	P43G-03	TF-556	2/ 3/81	34	20	16	48	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.802	1882.1	1232.4	554.7	3.487	103.0	562.7	14201.	1250.5	631.6	0.50	1.176	0.670

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1125.2			1207.9										1302.4
	COEFF.	-0.193			-0.044										0.126
290.0	ORIFICE	232	233					234							
	PRESSURE	1060.8	1177.9					1220.3							
	COEFF.	-0.309	-0.098					-0.022							
288.0	ORIFICE	253	254					255							
	PRESSURE	1055.8	1192.7					1232.9							
	COEFF.	-0.318	-0.071					0.001							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1240.1	1235.8	1237.0						
	COEFF.						0.014	0.006	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1191.8					1246.3	1233.0	1235.1	1235.0				
	COEFF.		-0.073					0.025	0.001	0.005	0.005				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1253.7		1256.3	1257.2	1254.8	1260.0	1264.8	
	COEFF.							0.039		0.043	0.045	0.040	0.050	0.058	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1199.6	1223.9	1253.1						1240.8	1237.5	1237.3	
	COEFF.			-0.059	-0.015	0.037						0.015	0.009	0.009	
268.0	ORIFICE	216	217					218							
	PRESSURE	1093.0	1147.5					1204.6							
	COEFF.	-0.251	-0.153					-0.050							
260.0	ORIFICE	207			208										209
	PRESSURE	1086.3			1160.9										1163.5
	COEFF.	-0.263			-0.129										-0.124

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	2	P43G-03	TF-556	2/ 3/81	34:20:16:48	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.802	1882.1	1232.4	554.7	3.487	103.0	562.7	14201.	1250.5	631.6	0.50	1.176	0.676

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1022.8			1108.9	1166.9		1217.6		
	COEFFICIENT			-0.378			-0.223	-0.118		-0.027		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				1007.4		1242.5	1304.4		1247.3		
	COEFFICIENT				-0.406		0.018	0.130		0.027		
	ORIFICE							276		277		
277.5	PRESSURE							1255.0		1252.2		
	COEFFICIENT							0.041		0.036		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1250.6		1235.5
	COEFFICIENT						9.999	9.999		0.033		0.006
	ORIFICE	291B	292B									
260.0	PRESSURE	1217.7	1223.1									
	COEFFICIENT	-0.026	-0.017									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1182.8			1182.6		
	COEFFICIENT						-0.089			-0.090		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.166	0.142			0.118			0.087	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.115	0.298			0.173			0.123	0.090
273.0	ORIFICE			401	402			403			404	
	VALUE			0.121	0.085			0.066			0.063	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
30	3	P436-03	TF-556	2/ 3/81		34	20	17.49	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1894.5	1236.1	554.0	3.493	102.4	562.1	14126.	1254.2	630.3	0.50	1.176	0.675

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1350.3	1328.7	1308.5	1281.9	1214.9	1140.7									
COEFF.	0.206	0.167	0.131	0.083	-0.038	-0.172									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1463.2	1346.0	1333.8	1299.4	1248.4	1115.3									
COEFF.	0.410	0.199	0.176	0.114	0.022	-0.218									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							986.4	976.6	997.8	1106.6	1111.5	1139.9			
COEFF.							-0.451	-0.468	-0.430	-0.234	-0.225	-0.174			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											1090.8	1107.4	1128.6		
COEFF.											-0.262	-0.232	-0.194		
ORIFICE	220	221	222												
278.0 PRESSURE	1513.8	1342.7	1338.2												
COEFF.	0.501	0.193	0.184												
ORIFICE				223	224	225									
277.0 PRESSURE				1309.9	1258.8	1135.7									
COEFF.				0.133	0.041	-0.181									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											1108.2	1111.4	1118.8		
COEFF.											-0.231	-0.225	-0.212		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1521.2	1340.4	1348.6	1318.7	1280.9	1154.1									
COEFF.	0.515	0.188	0.203	0.149	0.081	-0.148									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1549.0	1335.5	1333.9	1316.4	1290.8	1177.7									
COEFF.	0.565	0.180	0.177	0.145	0.099	-0.105									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
30	3	P436-03	TF-556	2/ 3/81	34:20:17:49	0	288	02-27-81	26/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1884.5	1236.1	554.0	3.493	102.4	562.1	14126.	1254.2	630.3	0.50	1.176	0.675

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1128.6			1211.3										1305.2
	COEFF.	-0.194			-0.045										0.125
290.0	ORIFICE	232	233					234							
	PRESSURE	1064.7	1181.7					1224.5							
	COEFF.	-0.309	-0.098					-0.021							
288.0	ORIFICE	253	254					255							
	PRESSURE	1074.1	1195.8					1236.5							
	COEFF.	-0.292	-0.073					0.001							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1243.1	1238.8	1240.2						
	COEFF.						0.013	0.005	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1194.9					1249.6	1237.1	1238.6	1239.6				
	COEFF.		-0.074					0.024	0.002	0.005	0.006				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1256.6		1260.7	1261.6	1257.0	1264.2	1268.7	
	COEFF.							0.037		0.044	0.046	0.038	0.051	0.059	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1204.0	1229.1	1257.0						1245.1	1241.2	1241.0	
	COEFF.			-0.058	-0.014	0.038						0.016	0.009	0.009	
268.0	ORIFICE	216	217					218							
	PRESSURE	1096.9	1151.6					1208.4							
	COEFF.	-0.251	-0.152					-0.050							
260.0	ORIFICE	207			208										209
	PRESSURE	1098.2			1164.5										1167.4
	COEFF.	-0.263			-0.129										-0.124

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	3	P436-03	TF-556	2/ 3/81	34:20:17:49	0.	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1884.5	1236.1	554.0	3.493	102.4	562.1	14126.	1254.2	630.3	0.50	1.176	0.675

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1026.7			1113.1	1171.4		1221.1		
	COEFFICIENT			-0.378			-0.222	-0.117		-0.027		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				1011.4		1244.9	1307.7		1251.0		
	COEFFICIENT				-0.406		0.016	0.129		0.027		
	ORIFICE							276		277		
277.5	PRESSURE							1258.7		1260.2		
	COEFFICIENT							0.041		0.043		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1253.9		1238.8
	COEFFICIENT						9.999	9.999		0.032		0.005
	ORIFICE	291B	292B									
260.0	PRESSURE	1221.4	1226.6									
	COEFFICIENT	-0.027	-0.017									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1186.1			1185.8		
	COEFFICIENT						-0.090			-0.091		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.165	0.141		0.117		0.086		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.111	0.303		0.172		0.123	0.088	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.121	0.083		0.066		0.062		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	4	P436-03	TF-556	2/ 3/81	34:20:18:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	OP	WA	TPR	SHX10+3
0.800	1888.8	1238.6	555.4	3.504	102.0	561.7	14075.	1256.8	632.0	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1353.2	1331.5	1311.2	1284.5	1217.6	1143.0									
	COEFF.	0.206	0.167	0.131	0.083	-0.038	-0.172									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1466.7	1348.9	1336.6	1301.8	1251.2	1117.9									
	COEFF.	0.411	0.198	0.176	0.114	0.023	-0.217									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							987.5	977.5	998.9	1108.3	1113.5	1142.7			
	COEFF.							-0.452	-0.470	-0.432	-0.235	-0.225	-0.173			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											1093.8	1110.2	1131.0		
	COEFF.											-0.261	-0.231	-0.194		
	ORIFICE	220	221	222												
278.0	PRESSURE	1517.2	1345.7	1341.1												
	COEFF.	0.502	0.193	0.184												
	ORIFICE				223	224	225									
277.0	PRESSURE				1312.8	1261.3	1138.1									
	COEFF.				0.134	0.041	-0.181									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												1110.6	1113.8	1121.0	
	COEFF.												-0.231	-0.225	-0.212	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1524.9	1343.0	1351.3	1321.4	1283.6	1156.4									
	COEFF.	0.515	0.188	0.203	0.149	0.081	-0.148									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1552.6	1338.3	1336.5	1319.1	1293.5	1180.1									
	COEFF.	0.565	0.179	0.176	0.145	0.099	-0.105									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	4	P436-03	TF-556	2/ 3/81	34:20:18:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.8	1238.6	555.4	3.504	102.0	561.7	14075.	1256.8	632.0	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1130.9			1213.8										1308.0
	COEFF.	-0.194			-0.045										0.125
290.0	ORIFICE	232	233				234								
	PRESSURE	1067.0	1184.0				1226.8								
	COEFF.	-0.309	-0.098				-0.021								
288.0	ORIFICE	253	254				255								
	PRESSURE	1080.7	1198.5				1239.0								
	COEFF.	-0.284	-0.072				0.001								
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					1245.7	1241.9	1242.8							
	COEFF.					0.013	0.006	0.008							
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		1197.3				1252.3	1239.5	1241.0	1242.0					
	COEFF.		-0.074				0.025	0.002	0.004	0.006					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						1260.3		1262.8	1263.1	1257.2	1265.7	1270.9		
	COEFF.						0.039		0.044	0.044	0.034	0.049	0.058		
275.0	ORIFICE			*294*	*295*	*296*					*297*	*298*	*299*		
	PRESSURE			1205.8	1230.0	1259.4					1247.7	1243.8	1243.8		
	COEFF.			-0.059	-0.016	0.037					0.016	0.009	0.009		
268.0	ORIFICE	216	217				218								
	PRESSURE	1099.0	1153.8				1210.9								
	COEFF.	-0.251	-0.153				-0.050								
260.0	ORIFICE	207			208										209
	PRESSURE	1092.6			1167.2										1169.4
	COEFF.	-0.263			-0.129										-0.125

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	4	P43G-03	TF-556	2/ 3/81	34:20:18:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.8	1238.6	555.4	3.504	102.0	561.7	14075.	1256.8	632.0	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1028.3			1115.3	1173.9		1223.7		
	COEFFICIENT			-0.379			-0.222	-0.116		-0.027		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				1012.9		1247.9	1310.7		1253.7		
	COEFFICIENT				-0.406		0.017	0.130		0.027		
	ORIFICE							276		277		
277.5	PRESSURE							1261.4		1262.8		
	COEFFICIENT							0.041		0.044		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1256.7		1241.6
	COEFFICIENT						9.999	9.999		0.033		0.005

	ORIFICE	291B	292B
260.0	PRESSURE	1223.9	1225.4
	COEFFICIENT	-0.026	-0.024

INSIDE PRESSURE ORIFICES

	ORIFICE					261			262			
276.0	PRESSURE					1188.6			1188.3			
	COEFFICIENT					-0.090			-0.091			

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.166	0.140			0.115		0.086		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.111	0.298			0.172		0.123	0.090	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.121	0.083			0.064		0.064		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
30	5	P436-03	TF-556	2/ 3/81	34:20:18:49	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10**3
0.800	1687.9	1238.3	555.0	3.504	101.8	561.5	14080.	1256.5	631.4	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICE (LEFT HAND SIDE)

ZV	X/C	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1352.9	1331.1	1310.7	1283.9	1216.9	1142.8									
	COEFF.	0.207	0.167	0.130	0.082	-0.039	-0.172									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1465.9	1348.9	1336.3	1301.5	1250.7	1117.4									
	COEFF.	0.410	0.199	0.177	0.114	0.022	-0.218									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							988.7	978.9	999.6	1108.6	1113.9	1141.7			
	COEFF.							-0.450	-0.467	-0.430	-0.234	-0.225	-0.174			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											1093.9	1110.3	1130.7		
	COEFF.											-0.260	-0.231	-0.194		
	ORIFICE	220	221	222												
278.0	PRESSURE	1516.6	1345.5	1340.9												
	COEFF.	0.501	0.193	0.185												
	ORIFICE				223	224	225									
277.0	PRESSURE				1312.5	1261.2	1138.0									
	COEFF.				0.134	0.041	-0.181									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													1110.5	1113.7	1120.8
	COEFF.													-0.230	-0.225	-0.212
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1524.1	1342.9	1350.6	1321.1	1283.3	1156.4									
	COEFF.	0.515	0.188	0.202	0.149	0.081	-0.148									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1551.8	1338.1	1336.3	1318.8	1293.3	1179.8									
	COEFF.	0.565	0.180	0.177	0.145	0.099	-0.106									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
30	5	P436-03	TF-556	2/ 3/81	34:20:18:49	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1887.9	1238.3	555.0	3.504	101.8	561.5	14080.	1256.5	631.4	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1130.6			1213.5										1308.0
	COEFF.	-0.194			-0.045										0.125
290.0	ORIFICE	232	233					234							
	PRESSURE	1066.7	1183.7					1226.5							
	COEFF.	-0.309	-0.099					-0.021							
288.0	ORIFICE	253	254					255							
	PRESSURE	1085.2	1198.0					1238.7							
	COEFF.	-0.276	-0.073					0.001							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1245.9	1242.0	1243.0						
	COEFF.						0.014	0.007	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1196.5					1252.1	1239.6	1241.1	1241.0				
	COEFF.		-0.075					0.025	0.002	0.005	0.005				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1260.4		1263.4	1264.5	1260.0	1264.5	1271.7	
	COEFF.							0.040		0.045	0.047	0.039	0.047	0.060	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1206.1	1230.1	1259.1						1247.9	1243.9	1244.2	
	COEFF.			-0.058	-0.015	0.037						0.017	0.010	0.011	
268.0	ORIFICE	216	217					218							
	PRESSURE	1098.8	1153.4					1210.3							
	COEFF.	-0.251	-0.153					-0.051							
260.0	ORIFICE	207			208										209
	PRESSURE	1092.1			1166.5										1169.7
	COEFF.	-0.263			-0.129										-0.124

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	5	P43G-03	TF-556	2/ 3/81	34:20:18:49	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1847.9	1238.3	555.0	3.594	101.8	561.5	14080	1256.5	631.4	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1028.5			1115.3	1172.8		1223.4		
	COEFFICIENT			-0.378			-0.222	-0.118		-0.027		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				1013.3		1248.2	1310.3		1253.4		
	COEFFICIENT				-0.405		0.018	0.130		0.027		
	ORIFICE							276		277		
277.5	PRESSURE							1260.9		1264.3		
	COEFFICIENT							0.041		0.047		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1256.5		1241.3
	COEFFICIENT						9.999	9.999		0.033		0.005
	ORIFICE	291B	292B									
260.0	PRESSURE	1223.8	1220.0									
	COEFFICIENT	-0.026	-0.033									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1188.4			1188.2		
	COEFFICIENT						-0.090			-0.090		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.166	0.144			0.121		0.087		
276.0	ORIFICE			405	406			407		408	409	
	VALUE			0.112	0.301			0.172		0.124	0.090	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.122	0.085			0.066		0.064		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
30	6	P436-03	TF-556	2/ 3/81	34:20:19:18	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1887.7	1238.4	554.8	3.500	102.2	561.9	14078.	1256.6	631.1	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1352.6	1331.0	1310.8	1284.4	1217.2	1142.8									
COEFF.	0.206	0.167	0.131	0.083	-0.038	-0.172									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1465.9	1348.6	1336.2	1301.9	1250.6	1117.5									
COEFF.	0.410	0.199	0.176	0.114	0.022	-0.218									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							988.0	978.6	999.5	1108.7	1113.3	1142.3			
COEFF.							-0.452	-0.468	-0.431	-0.234	-0.220	-0.173			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											1093.0	1109.3	1130.1		
COEFF.											-0.262	-0.233	-0.195		
ORIFICE	220	221	222												
278.0 PRESSURE	1516.3	1345.4	1340.7												
COEFF.	0.501	0.193	0.184												
ORIFICE				223	224	225									
277.0 PRESSURE				1312.4	1261.1	1137.9									
COEFF.				0.133	0.041	-0.181									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													1110.0	1113.3	1120.5
COEFF.													-0.232	-0.226	-0.213
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1524.3	1343.0	1351.1	1321.2	1283.4	1156.4									
COEFF.	0.515	0.188	0.203	0.149	0.081	-0.148									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1552.1	1338.4	1336.5	1319.3	1293.5	1180.1									
COEFF.	0.565	0.180	0.177	0.146	0.099	-0.105									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
30	6	P436-03	TF-556	2/ 3/81	34	20	19	18	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1887.7	1238.4	554.8	3.500	102.2	561.9	14078.	1256.6	631.1	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1130.8			1213.8										1308.2
	COEFF.	-0.194			-0.044										0.126
290.0	ORIFICE	232	233					234							
	PRESSURE	1066.8	1183.5					1226.3							
	COEFF.	-0.309	-0.099					-0.022							
288.0	ORIFICE	253	254					255							
	PRESSURE	1088.4	1197.6					1238.6							
	COEFF.	-0.270	-0.074					0.000							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1245.8	1241.7	1242.6						
	COEFF.						0.013	0.006	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1197.0					1252.1	1239.5	1240.8	1241.8				
	COEFF.		-0.075					0.025	0.002	0.004	0.006				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1259.2		1262.4	1264.2	1259.2	1266.4	1270.9	
	COEFF.							0.037		0.043	0.046	0.037	0.050	0.059	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1204.7	1229.1	1258.5						1246.9	1242.7	1243.0	
	COEFF.			-0.061	-0.017	0.036						0.015	0.008	0.008	
268.0	ORIFICE	216	217					218							
	PRESSURE	1099.0	1153.3					1210.4							
	COEFF.	-0.251	-0.153					-0.051							
260.0	ORIFICE	207			208										209
	PRESSURE	1092.4			1166.6										1169.8
	COEFF.	-0.263			-0.129										-0.124

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	6	P436-03	TF-556	2/ 3/81	34:20:19:18	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1887.7	1238.4	554.8	3.500	102.2	561.9	14078.	1256.6	631.1	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1028.5			1115.4	1174.4		1223.5		
	COEFFICIENT			-0.378			-0.222	-0.115		-0.027		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				1013.0		1248.8	1310.3		1253.2		
	COEFFICIENT				-0.406		0.019	0.130		0.027		
	ORIFICE							276		277		
277.5	PRESSURE							1261.1		1264.8		
	COEFFICIENT							0.041		0.047		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1256.6		1241.1
	COEFFICIENT						9.999	9.999		0.033		0.005
	ORIFICE	291B	292B									
260.0	PRESSURE	1223.6	1220.0									
	COEFFICIENT	-0.027	-0.033									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1188.5			1188.2		
	COEFFICIENT						-0.090			-0.090		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.168	0.143			0.120		0.089		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.115	0.292			0.173		0.124	0.089	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.121	0.085			0.067		0.064		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	7	P436-03	TF-556	2/ 3/81	34:20:19:47	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.799	1888.4	1239.5	554.5	3.502	102.0	561.7	14056.	1257.7	630.7	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1354.1	1332.2	1311.9	1285.6	1218.2	1143.9									
	COEFF.	0.207	0.167	0.131	0.083	-0.038	-0.172									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1467.1	1349.8	1337.3	1303.5	1251.9	1118.8									
	COEFF.	0.410	0.199	0.176	0.115	0.022	-0.218									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							988.2	978.8	1000.4	1110.1	1115.0	1144.0			
	COEFF.							-0.453	-0.470	-0.431	-0.233	-0.225	-0.172			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												1094.3	1110.6	1131.0	
	COEFF.												-0.262	-0.232	-0.196	
	ORIFICE	220	221	222												
278.0	PRESSURE	1517.2	1346.4	1341.8												
	COEFF.	0.501	0.193	0.184												
	ORIFICE				223	224	225									
277.0	PRESSURE				1313.6	1262.3	1139.0									
	COEFF.				0.134	0.041	-0.181									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													1111.2	1114.6	1121.7
	COEFF.													-0.231	-0.225	-0.212
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1525.2	1343.8	1352.2	1322.1	1284.3	1157.1									
	COEFF.	0.515	0.188	0.203	0.149	0.081	-0.149									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1553.2	1339.3	1337.6	1320.3	1294.6	1181.2									
	COEFF.	0.566	0.180	0.177	0.146	0.099	-0.105									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
30	7	P436-03	TF-556	2/ 3/81	34:20:19:47	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.799	1888.4	1239.5	554.5	3.502	102.0	561.7	14056.	1257.7	630.7	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1132.0			1215.0										1309.2
	COEFF.	-0.194			-0.044										0.126
290.0	ORIFICE	232	233					234							
	PRESSURE	1067.8	1184.6					1227.5							
	COEFF.	-0.310	-0.099					-0.022							
288.0	ORIFICE	253	254					255							
	PRESSURE	1091.3	1199.1					1239.8							
	COEFF.	-0.267	-0.073					0.001							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1246.9	1243.0	1244.2						
	COEFF.						0.013	0.006	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1198.0					1253.0	1241.0	1242.3	1243.5				
	COEFF.		-0.075					0.024	0.003	0.005	0.007				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1260.7		1263.7	1264.6	1260.5	1269.0	1272.2	
	COEFF.							0.038		0.044	0.045	0.036	0.053	0.059	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1206.0	1230.4	1259.8						1248.6	1244.3	1244.7	
	COEFF.			-0.061	-0.017	0.037						0.016	0.009	0.009	
260.0	ORIFICE	216	217					218							
	PRESSURE	1099.7	1154.4					1211.5							
	COEFF.	-0.252	-0.153					-0.051							
260.0	ORIFICE	207			208										209
	PRESSURE	1093.3			1167.7										1170.9
	COEFF.	-0.264			-0.130										-0.124

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
30	7	P436-03	TF-556	2/ 3/81	34:20:19:47	0.	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.799	1888.4	1239.5	554.5	3.502	102.0	561.7	14056.	1257.7	630.7	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1029.6			1116.9	1175.0		1224.8		
	COEFFICIENT			-0.379			-0.221	-0.116		-0.026		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				1014.6		1248.4	1311.3		1254.7		
	COEFFICIENT				-0.406		0.016	0.129		0.027		
	ORIFICE							276		277		
277.5	PRESSURE							1262.1		1265.7		
	COEFFICIENT							0.041		0.047		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1257.8		1242.7
	COEFFICIENT						9.999	9.999		0.033		0.006
	ORIFICE	2918	2928									
260.0	PRESSURE	1224.8	1228.6									
	COEFFICIENT	-0.027	-0.020									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1189.4			1189.3		
	COEFFICIENT						-0.090			-0.090		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.166	0.142			0.117		0.088		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.109	0.296			0.174		0.123	0.089	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.121	0.083			0.067		0.064		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
30	8	P436-03	TF-556	2/ 3/81	34:20:20:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1887.5	1237.9	554.9	3.505	101.6	561.3	14089.	1256.1	631.4	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1352.3	1330.7	1310.4	1283.7	1216.5	1142.8									
	COEFF.	0.206	0.167	0.131	0.083	-0.039	-0.171									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1465.6	1348.2	1335.8	1301.2	1250.3	1117.2									
	COEFF.	0.410	0.199	0.176	0.114	0.022	-0.217									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							987.5	976.8	998.6	1107.8	1112.8	1142.2			
	COEFF.							-0.451	-0.471	-0.431	-0.234	-0.226	-0.173			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											1093.5	1110.1	1130.9		
	COEFF.											-0.260	-0.230	-0.193		
	ORIFICE	220	221	222												
278.0	PRESSURE	1516.0	1344.9	1340.4												
	COEFF.	0.501	0.193	0.185												
	ORIFICE				223	224	225									
277.0	PRESSURE				1312.1	1260.8	1137.6									
	COEFF.				0.134	0.041	-0.181									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													1110.2	1113.5	1120.6
	COEFF.													-0.230	-0.224	-0.211
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1523.8	1342.5	1350.7	1320.7	1282.8	1156.0									
	COEFF.	0.515	0.188	0.203	0.149	0.081	-0.148									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1551.4	1337.6	1335.8	1318.4	1292.8	1179.4									
	COEFF.	0.565	0.180	0.176	0.145	0.099	-0.105									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
30	8	P43G-03	TF-556	2/ 3/81	34:20:20:17	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1887.5	1237.9	554.9	3.505	101.6	561.3	14089.	1256.1	631.4	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 POOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1130.5			1213.4										1307.7
	COEFF.	-0.194			-0.044										0.126
290.0	ORIFICE	232	233					234							
	PRESSURE	1066.3	1183.3					1226.1							
	COEFF.	-0.309	-0.099					-0.021							
288.0	ORIFICE	253	254					255							
	PRESSURE	1092.1	1198.6					1238.4							
	COEFF.	-0.263	-0.071					0.001							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1242.7	1241.2	1242.3						
	COEFF.						0.009	0.006	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1196.6					1251.3	1239.2	1240.5	1242.1				
	COEFF.		-0.074					0.024	0.002	0.005	0.008				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1260.0		1262.6	1263.3	1258.7	1266.1	1270.6	
	COEFF.							0.040		0.044	0.046	0.037	0.051	0.059	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1205.2	1229.3	1259.5						1247.7	1244.0	1243.6	
	COEFF.			-0.059	-0.015	0.039						0.018	0.011	0.010	
268.0	ORIFICE	216	217					218							
	PRESSURE	1098.5	1153.0					1210.1							
	COEFF.	-0.251	-0.153					-0.050							
260.0	ORIFICE	207			208										209
	PRESSURE	1091.6			1165.9										1169.4
	COEFF.	-0.264			-0.130										-0.123

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
30	8	P436-03	TF-556	2/ 3/81	34:	20:	20:	17	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1887.5	1237.9	554.9	3.505	101.6	561.3	14089.	1256.1	631.4	0.50	1.177	0.674

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1028.6			1115.4	1173.5		1223.5		
	COEFFICIENT			-0.377			-0.221	-0.116		-0.026		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			1013.3			1246.6	1310.0		1253.4		
	COEFFICIENT			-0.405			0.016	0.130		0.028		
	ORIFICE							276		277		
277.5	PRESSURE							1260.6		1265.1		
	COEFFICIENT							0.041		0.049		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1256.5		1241.6
	COEFFICIENT						9.999	9.999		0.033		0.007
	ORIFICE	2918	2928									
260.0	PRESSURE	1222.9	1246.1									
	COEFFICIENT	-0.027	0.015									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1188.0			1187.9		
	COEFFICIENT						-0.090			-0.090		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.165	0.142		0.118		0.088		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.112	0.293		0.174		0.125	0.089	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.121	0.085		0.067		0.065		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
30	9	P436-03	TF-556	2/ 3/81	34	20	20	47	0.	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1888.9	1238.2	555.8	3.509	101.5	561.2	14083.	1256.4	632.5	0.50	1.176	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1353.5	1331.2	1310.9	1284.3	1217.0	1142.8									
	COEFF.	0.207	0.167	0.131	0.083	-0.038	-0.172									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1466.5	1348.5	1336.2	1301.5	1250.8	1117.3									
	COEFF.	0.411	0.198	0.176	0.114	0.023	-0.217									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							987.5	978.1	998.7	1108.5	1113.5	1142.3			
	COEFF.							-0.451	-0.468	-0.431	-0.233	-0.224	-0.173			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													1093.0	1109.3	1129.5
	COEFF.													-0.261	-0.232	-0.196
	ORIFICE	220	221	222												
278.0	PRESSURE	1516.6	1345.5	1340.9												
	COEFF.	0.501	0.193	0.185												
	ORIFICE				223	224	225									
277.0	PRESSURE				1312.6	1261.1	1137.9									
	COEFF.				0.134	0.041	-0.180									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													1109.7	1112.9	1120.2
	COEFF.													-0.231	-0.225	-0.212
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1524.3	1343.0	1351.1	1321.2	1283.3	1156.0									
	COEFF.	0.515	0.189	0.203	0.149	0.081	-0.148									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1552.2	1338.5	1336.7	1319.3	1293.7	1180.1									
	COEFF.	0.565	0.180	0.177	0.146	0.100	-0.105									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	9	P436-03	TF-556	2/ 3/81	34:20:20:47	0	288	02-27-81	26/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1888.9	1238.2	555.8	3.509	101.5	561.2	14083.	1256.4	632.5	0.50	1.176	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1130.8			1213.6										1308.0
	COEFF.	-0.193			-0.044										0.126
290.0	ORIFICE	232	233					234							
	PRESSURE	1066.5	1183.5					1226.4							
	COEFF.	-0.309	-0.098					-0.021							
288.0	ORIFICE	253	254					255							
	PRESSURE	1093.4	1197.9					1238.7							
	COEFF.	-0.261	-0.073					0.001							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1245.6	1241.7	1242.9						
	COEFF.						0.013	0.006	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1196.4					1252.4	1240.0	1241.2	1242.2				
	COEFF.		-0.075					0.025	0.003	0.005	0.007				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1259.9		1262.7	1263.3	1259.0	1264.9	1270.9	
	COEFF.							0.039		0.044	0.045	0.037	0.048	0.059	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1205.1	1229.6	1259.0						1247.1	1243.6	1243.2	
	COEFF.			-0.060	-0.015	0.037						0.016	0.010	0.009	
268.0	ORIFICE	216	217					218							
	PRESSURE	1098.6	1153.4					1210.4							
	COEFF.	-0.251	-0.153					-0.050							
260.0	ORIFICE	207			208										209
	PRESSURE	1092.2			1166.6										1169.9
	COEFF.	-0.263			-0.129										-0.123

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	9	P436-03	TF-556	2/ 3/81	34	20	20	47	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.801	1888.9	1238.2	555.8	3.509	101.5	561.2	14083.	1256.4	632.5	0.50	1.176	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1028.1			1115.4	1173.0		1223.2		
	COEFFICIENT			-0.378			-0.221	-0.117		-0.027		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			1012.8			1247.3	1310.0		1253.3		
	COEFFICIENT			-0.406			0.016	0.129		0.021		
	ORIFICE							276		277		
277.5	PRESSURE							1260.8		1264.9		
	COEFFICIENT							0.041		0.048		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1256.5		1241.4
	COEFFICIENT						9.999	9.999		0.033		0.006

		291B	292B
	ORIFICE		
260.0	PRESSURE	1223.7	1245.7
	COEFFICIENT	-0.026	0.014

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1188.1			1188.0		
	COEFFICIENT						-0.090			-0.090		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.168	0.142			0.118			0.088	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.111	0.294			0.175			0.126	0.090
273.0	ORIFICE			401	402			403			404	
	VALUE			0.122	0.084			0.066			0.065	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	10	P436-03	TF-556	2/ 3/81	34:20:21:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.5	1238.9	555.0	3.509	101.2	560.9	14069.	1257.1	631.4	0.50	1.177	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1353.7	1332.0	1311.6	1285.0	1217.5	1143.3									
	COEFF.	0.207	0.168	0.131	0.083	-0.039	-0.172									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1467.0	1349.2	1336.9	1301.9	1251.3	1118.3									
	COEFF.	0.411	0.199	0.177	0.114	0.022	-0.217									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							988.5	978.4	999.8	1108.8	1113.5	1142.5			
	COEFF.							-0.451	-0.469	-0.431	-0.234	-0.226	-0.174			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												1093.9	1110.5	1131.1	
	COEFF.												-0.261	-0.231	-0.194	
	ORIFICE	220	221	222												
278.0	PRESSURE	1518.1	1345.9	1341.4												
	COEFF.	0.503	0.193	0.185												
	ORIFICE				223	224	225									
277.0	PRESSURE				1313.1	1261.7	1138.3									
	COEFF.				0.134	0.041	-0.181									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												1110.6	1113.8	1121.0	
	COEFF.												-0.231	-0.225	-0.212	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1524.9	1343.6	1351.6	1321.8	1283.9	1156.7									
	COEFF.	0.515	0.189	0.203	0.149	0.081	-0.148									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1552.7	1338.9	1336.9	1319.7	1293.9	1180.5									
	COEFF.	0.565	0.180	0.177	0.146	0.099	-0.105									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
30	10	P436-03	TF-556	2/ 3/81	34:20:21:17	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.5	1238.9	555.0	3.509	101.2	560.9	14069.	1257.1	631.4	0.50	1.177	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1131.3			1214.4										1308.7
	COEFF.	-0.194			-0.044										0.126
290.0	ORIFICE	232	233					234							
	PRESSURE	1067.2	1184.3					1227.1							
	COEFF.	-0.309	-0.098					-0.021							
288.0	ORIFICE	253	254					255							
	PRESSURE	1094.7	1198.8					1239.6							
	COEFF.	-0.260	-0.072					0.001							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1246.5	1242.4	1243.3						
	COEFF.						0.014	0.006	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1197.4					1253.2	1239.8	1241.5	1242.3				
	COEFF.		-0.075					0.026	0.002	0.005	0.006				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1260.6		1263.8	1263.6	1259.7	1268.8	1271.8	
	COEFF.							0.039		0.045	0.044	0.037	0.054	0.059	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1205.2	1229.6	1259.4						1248.5	1244.3	1244.6	
	COEFF.			-0.061	-0.017	0.037						0.017	0.010	0.010	
268.0	ORIFICE	216	217					218							
	PRESSURE	1099.3	1154.0					1211.2							
	COEFF.	-0.252	-0.153					-0.050							
260.0	ORIFICE	207			208										209
	PRESSURE	1092.5			1167.2										1170.6
	COEFF.	-0.264			-0.129										-0.123

DATE. 2-07-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CAPT	TRANSONIC 16T
30	10	P436-03	TF-556	2/ 3/81	34:20:21:17				0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.5	1238.9	555.0	3.509	101.2	560.9	14069.	1257.1	631.4	0.50	1.177	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1029.1			1115.9	1174.1		1224.2		
	COEFFICIENT			-0.378			-0.222	-0.117		-0.027		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			1013.7			1248.8	1310.9		1254.3		
	COEFFICIENT			-0.406			0.018	0.130		0.028		
	ORIFICE							276		277		
277.5	PRESSURE							1261.6		1265.6		
	COEFFICIENT							0.041		0.048		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1257.0		1242.1
	COEFFICIENT						9.999	9.999		0.032		0.006
	ORIFICE	291B	292B									
260.0	PRESSURE	1224.3	1233.4									
	COEFFICIENT	-0.026	-0.010									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1188.7			1188.5		
	COEFFICIENT						-0.090			-0.091		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.164	0.142			0.118			0.088	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.112	0.298			0.173			0.123	0.090
273.0	ORIFICE			401	402			403			404	
	VALUE			0.121	0.082			0.065			0.062	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	11	P436-03	TF-556	2/ 3/81	34:20:21:48	0.	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.5	1238.5	555.3	3.511	101.1	560.8	14077.	1256.7	631.8	0.50	1.177	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1353.0	1331.3	1310.9	1284.3	1217.1	1142.8									
COEFF.	0.206	0.167	0.130	0.083	-0.039	-0.172									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1466.6	1348.5	1336.3	1301.5	1250.9	1117.5									
COEFF.	0.411	0.198	0.176	0.113	0.022	-0.218									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							988.7	978.7	1000.1	1108.6	1113.6	1142.6			
COEFF.							-0.450	-0.468	-0.429	-0.234	-0.225	-0.173			
ORIFICE													*301*	*302*	*303*
282.0 PRESSURE													1093.3	1109.6	1129.8
COEFF.													-0.262	-0.232	-0.196
ORIFICE	220	221	222												
278.0 PRESSURE	1516.9	1345.5	1340.8												
COEFF.	0.501	0.193	0.184												
ORIFICE				223	224	225									
277.0 PRESSURE				1312.6	1261.2	1137.5									
COEFF.				0.133	0.041	-0.182									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													1110.2	1113.4	1120.7
COEFF.													-0.231	-0.225	-0.212
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1524.4	1343.2	1351.9	1321.4	1283.4	1156.6									
COEFF.	0.515	0.189	0.204	0.149	0.081	-0.148									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1552.1	1338.5	1336.6	1319.3	1293.5	1180.0									
COEFF.	0.565	0.180	0.177	0.146	0.099	-0.105									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
30	11	P436-03	TF-556	2/ 3/81	34	20	21	48	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.5	1238.5	555.3	3.511	101.1	560.8	14077.	1256.7	631.8	0.50	1.177	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1130.8			1213.9										1308.0
	COEFF.	-0.194			-0.044										0.125
290.0	ORIFICE	232	233					234							
	PRESSURE	1066.8	1183.8					1226.5							
	COEFF.	-0.309	-0.099					-0.022							
288.0	ORIFICE	253	254					255							
	PRESSURE	1095.1	1197.6					1239.1							
	COEFF.	-0.258	-0.074					0.001							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1246.1	1242.2	1243.2						
	COEFF.						0.014	0.007	0.008						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1197.2					1252.3	1240.6	1241.3	1241.6				
	COEFF.		-0.074					0.025	0.003	0.005	0.006				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1260.2		1263.4	1263.6	1259.7	1265.8	1271.6	
	COEFF.							0.039		0.045	0.045	0.038	0.049	0.060	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1205.2	1229.7	1256.0						1247.6	1243.5	1243.7	
	COEFF.			-0.060	-0.016	0.035						0.016	0.009	0.009	
268.0	ORIFICE	216	217					218							
	PRESSURE	1098.9	1153.5					1210.6							
	COEFF.	-0.252	-0.153					-0.050							
260.0	ORIFICE	207			208										209
	PRESSURE	1092.3			1166.7										1169.9
	COEFF.	-0.263			-0.129										-0.124

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	11	P436-03	TF-556	2/ 3/81	34:20:21:48	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.5	1238.5	555.3	3.511	101.1	560.8	14077.	1256.7	631.8	0.50	1.177	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1029.0			1115.3	1173.8		1223.9		
	COEFFICIENT			-0.377			-0.222	-0.116		-0.026		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				1013.9		1248.4	1310.5		1254.4		
	COEFFICIENT				-0.405		0.018	0.130		0.028		
	ORIFICE							276		277		
277.5	PRESSURE							1261.4		1265.4		
	COEFFICIENT							0.041		0.049		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1256.8		1242.0
	COEFFICIENT						9.999	9.999		0.033		0.006
	ORIFICE	291B	292B									
260.0	PRESSURE	1223.7	1229.4									
	COEFFICIENT	-0.027	-0.016									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1188.3			1188.1		
	COEFFICIENT						-0.090			-0.091		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.166	0.141			0.117			0.086	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.108	0.306			0.174			0.124	0.089
273.0	ORIFICE			401	402			403			404	
	VALUE			0.121	0.083			0.065			0.063	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	12	P436-03	TF-556	2/ 3/81	34:20:22:19	C	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.0	1238.8	554.7	3.509	101.1	560.8	14070.	1257.0	631.0	0.50	1.178	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1352.8	1331.3	1311.0	1284.4	1216.9	1143.2									
	COEFF.	0.205	0.167	0.130	0.082	-0.039	-0.172									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1466.4	1348.8	1336.6	1301.6	1251.1	1117.9									
	COEFF.	0.410	0.198	0.176	0.113	0.022	-0.218									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							988.8	978.1	999.3	1108.5	1113.4	1142.9			
	COEFF.							-0.451	-0.470	-0.432	-0.235	-0.226	-0.173			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													1094.0	1110.8	1131.0
	COEFF.													-0.261	-0.231	-0.194
	ORIFICE	220	221	222												
278.0	PRESSURE	1516.7	1345.8	1341.1												
	COEFF.	0.501	0.193	0.184												
	ORIFICE				223	224	225									
277.0	PRESSURE				1312.8	1261.5	1138.3									
	COEFF.				0.133	0.041	-0.181									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													1110.6	1113.8	1121.2
	COEFF.													-0.231	-0.225	-0.212
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1524.2	1343.3	1351.1	1321.5	1283.5	1156.7									
	COEFF.	0.514	0.188	0.202	0.149	0.081	-0.148									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1551.7	1338.6	1336.8	1319.4	1293.8	1180.2									
	COEFF.	0.564	0.180	0.177	0.145	0.099	-0.106									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
30	12	P436-03	TF-556	2/ 3/81	34:20:22:19	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.0	1238.8	554.7	3.509	101.1	560.8	14070.	1257.0	631.0	0.50	1.178	0.711

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 ROOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	1130.9			1213.9										1308.0
	COEFF.	-0.194			-0.045										0.125
290.0	ORIFICE	232	233					234							
	PRESSURE	1067.1	1183.8					1226.5							
	COEFF.	-0.310	-0.099					-0.022							
288.0	ORIFICE	253	254					255							
	PRESSURE	1095.5	1198.1					1239.0							
	COEFF.	-0.258	-0.073					0.000							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1245.5	1242.1	1242.8						
	COEFF.						0.012	0.006	0.007						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		1196.0					1252.0	1240.1	1241.2	1242.8				
	COEFF.		-0.077					0.024	0.002	0.004	0.007				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1260.7		1263.3	1263.5	1259.4	1263.3	1270.9	
	COEFF.							0.039		0.044	0.045	0.037	0.044	0.058	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1206.2	1230.5	1259.3						1248.4	1244.4	1245.8	
	COEFF.			-0.059	-0.015	0.037						0.017	0.010	0.013	
268.0	ORIFICE	216	217					218							
	PRESSURE	1099.2	1153.6					1210.7							
	COEFF.	-0.252	-0.154					-0.051							
260.0	ORIFICE	207			208										209
	PRESSURE	1092.4			1166.7										1170.0
	COEFF.	-0.264			-0.130										-0.124

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
30	12	P436-03	TF-556	2/ 3/81	34:20:22:19	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.800	1888.0	1238.8	554.7	3.509	101.1	560.8	14070.	1257.0	631.0	0.50	1.178	0.71

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 ROOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			1029.3			1115.6	1174.0		1223.9		
	COEFFICIENT			-0.378			-0.222	-0.117		-0.027		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				1013.9		1247.7	1310.5		1254.1		
	COEFFICIENT				-0.405		0.016	0.129		0.028		
	ORIFICE							276		277		
277.5	PRESSURE							1261.4		1265.5		
	COEFFICIENT							0.041		0.048		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1257.0		1241.8
	COEFFICIENT						9.999	9.999		0.033		0.005

	ORIFICE	2918	2928									
260.0	PRESSURE	1224.0	1228.5									
	COEFFICIENT	-0.027	-0.019									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1188.4			1188.2		
	COEFFICIENT						-0.091			-0.091		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.167	0.145			0.119		0.087		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.114	0.301			0.174		0.125	0.090	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.121	0.084			0.067		0.063		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16I
31	1	P436-03	TF-556	2/ 3/81	34:20:29:18	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	OP	WA	TPR	SHX10+3
0.918	1815.7	1052.9	620.8	3.566	103.0	562.7	18069.	1070.5	745.2	0.50	1.195	0.739

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1199.0	1174.0	1152.3	1125.6	1046.6	960.5									
	COEFF.	0.235	0.195	0.160	0.117	-0.010	-0.149									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1337.1	1190.9	1178.7	1143.7	1093.3	943.0									
	COEFF.	0.458	0.222	0.203	0.146	0.065	-0.177									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							746.2	735.6	753.8	853.2	857.7	880.8			
	COEFF.							-0.494	-0.511	-0.482	-0.322	-0.314	-0.277			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											838.5	849.0	864.7		
	COEFF.											-0.345	-0.328	-0.303		
	ORIFICE	220	221	222												
278.0	PRESSURE	1392.0	1184.7	1182.2												
	COEFF.	0.546	0.212	0.208												
	ORIFICE				223	224	225									
277.0	PRESSURE				1154.6	1104.1	971.3									
	COEFF.				0.164	0.083	-0.131									
	ORIFICE											*291*	*292*	*293*		
275.0	PRESSURE											891.0	896.9	907.1		
	COEFF.											-0.261	-0.251	-0.235		
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1400.0	1180.6	1193.1	1162.3	1126.2	997.5									
	COEFF.	0.559	0.206	0.226	0.176	0.118	-0.089									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1428.6	1172.7	1174.0	1161.6	1135.8	1031.2									
	COEFF.	0.605	0.193	0.195	0.175	0.134	-0.035									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
31	1	P436-03	TF-556	2/ 3/81	34	20	29	18	0	288	02-27-81	26/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.918	1815.7	1052.9	620.8	3.566	103.0	562.7	16069.	1070.5	745.2	0.50	1.195	0.739

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	831.3			1041.6										1124.3
	COEFF.	-0.357			-0.018										0.115
290.0	ORIFICE	232	233					234							
	PRESSURE	810.1	947.1					1043.5							
	COEFF.	-0.391	-0.170					-0.015							
288.0	ORIFICE	253	254					255							
	PRESSURE	872.1	955.1					1048.6							
	COEFF.	-0.291	-0.157					-0.007							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1044.5	1053.8	1064.5						
	COEFF.						-0.014	0.002	0.019						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		922.8					1089.0	1074.0	1074.2	1077.6				
	COEFF.		-0.209					0.058	0.034	0.034	0.040				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1082.2		1084.7	1087.2	1091.2	1097.6	1100.6	
	COEFF.							0.047		0.051	0.055	0.062	0.072	0.077	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1014.5	1052.0	1081.6						1066.6	1063.6	1064.0	
	COEFF.			-0.062	-0.001	0.046						0.023	0.017	0.018	
268.0	ORIFICE	216	217					218							
	PRESSURE	868.3	949.6					1008.4							
	COEFF.	-0.297	-0.166					-0.072							
260.0	ORIFICE	207			208										209
	PRESSURE	853.6			951.7										975.0
	COEFF.	-0.321			-0.163										-0.125

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	1	P436-03	TF-556	2/ 3/81	34:20:29:18	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.918	1815.7	1052.9	620.8	3.566	103.0	562.7	18069.	1070.5	745.2	0.50	1.195	0.739

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			747.3			775.9	892.5		1041.4		
	COEFFICIENT			-0.492			-0.446	-0.258		-0.018		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				721.6		1110.7	1104.8		1057.6		
	COEFFICIENT				-0.534		0.093	0.084		0.008		
	ORIFICE							276		277		
277.5	PRESSURE							1069.0		1076.7		
	COEFFICIENT							0.026		0.048		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1073.5		1066.0
	COEFFICIENT						9.999	9.999		0.034		0.021
	ORIFICE	2918	2928									
260.0	PRESSURE	922.5	1053.0									
	COEFFICIENT	-0.210	0.000									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						987.9			987.9		
	COEFFICIENT						-0.105			-0.103		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.269	0.243			0.154			0.126	
278.0	ORIFICE			405	406			407			408	409
	VALUE			0.095	0.439			0.227			0.135	0.102
273.0	ORIFICE			401	402			403			404	
	VALUE			0.186	0.110			0.079			0.069	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	2	P436-03	TF-556	2/ 3/81	34:20:29:58	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.909	1810.1	1059.6	613.0	3.550	102.0	561.7	17909.	1077.4	732.7	0.50	1.199	0.742

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1202.3	1177.8	1156.2	1129.5	1051.8	965.1									
	COEFF.	0.232	0.192	0.157	0.114	-0.013	-0.155									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1338.0	1194.7	1182.7	1147.8	1097.2	948.4									
	COEFF.	0.454	0.220	0.200	0.143	0.061	-0.182									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							762.0	755.5	775.4	867.2	871.7	895.5			
	COEFF.							-0.486	-0.496	-0.464	-0.314	-0.307	-0.268			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											854.9	866.1	881.1		
	COEFF.											-0.334	-0.316	-0.292		
	ORIFICE	220	221	222												
278.0	PRESSURE	1392.4	1189.3	1186.4												
	COEFF.	0.543	0.211	0.207												
	ORIFICE				223	224	225									
277.0	PRESSURE				1158.8	1108.2	975.8									
	COEFF.				0.161	0.079	-0.137									
	ORIFICE											*291*	*292*	*293*		
275.0	PRESSURE											903.9	909.1	918.7		
	COEFF.											-0.254	-0.246	-0.230		
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1400.3	1185.2	1197.0	1166.6	1130.3	1000.9									
	COEFF.	0.555	0.205	0.224	0.174	0.115	-0.096									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1428.4	1177.5	1178.5	1161.9	1139.9	1033.8									
	COEFF.	0.601	0.192	0.194	0.167	0.131	-0.042									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
31	2	P436-03	TF-556	2/ 3/81	34:20:29:58	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.909	1810.1	1059.8	613.0	3.550	102.0	561.7	17909.	1077.4	732.7	0.50	1.199	0.742

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	853.9			1044.9										1130.3
	COEFF.	-0.336			-0.024										0.115
290.0	ORIFICE	232	233				234								
	PRESSURE	824.4	961.4				1049.5								
	COEFF.	-0.384	-0.161				-0.017								
288.0	ORIFICE	253	254				255								
	PRESSURE	865.4	968.5				1055.4								
	COEFF.	-0.317	-0.149				-0.007								
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					1051.8	1059.6	1069.7							
	COEFF.					-0.013	-0.000	0.016							
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		937.7				1091.4	1077.6	1078.7	1082.3					
	COEFF.		-0.199				0.052	0.029	0.031	0.037					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						1087.3		1090.1	1091.9	1096.4	1102.8	1106.2		
	COEFF.						0.045		0.049	0.052	0.060	0.070	0.076		
275.0	ORIFICE			*294*	*295*	*296*					*297*	*298*	*299*		
	PRESSURE			1019.8	1057.7	1087.7					1074.4	1071.3	1071.6		
	COEFF.			-0.065	-0.004	0.045					0.024	0.019	0.019		
268.0	ORIFICE	216	217				218								
	PRESSURE	901.0	958.8				1017.1								
	COEFF.	-0.259	-0.165				-0.070								
260.0	ORIFICE	207			208										209
	PRESSURE	865.3			963.7										983.3
	COEFF.	-0.317			-0.157										-0.125

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	2	P436-03	TF-556	2/ 3/81	34:20:29:58	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.909	1810.1	1059.8	613.0	3.550	102.9	561.7	17909.	1077.4	732.7	0.50	1.199	0.742

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			764.4			797.9	911.8		1049.7		
	COEFFICIENT			-0.482			-0.427	-0.242		-0.017		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				740.0		1119.3	1113.8		1066.0		
	COEFFICIENT				-0.522		0.097	0.088		0.010		
	ORIFICE							276		277		
277.5	PRESSURE							1075.7		1076.4		
	COEFFICIENT							0.026		0.027		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1079.5		1072.7
	COEFFICIENT						9.999	9.999		0.032		0.021

	ORIFICE	291B	292B
260.0	PRESSURE	932.8	1060.7
	COEFFICIENT	-0.207	0.001

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	996.0	996.0
	COEFFICIENT	-0.104	-0.104

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.257	0.240	0.153	0.122		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.097	0.423	0.228	0.137	0.101	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.190	0.109	0.077	0.069		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
31	3	P436-03	TF-556	2/ 3/81	34:20:30:54	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.904	1809.8	1065.5	609.4	3.545	101.7	561.4	17779.	1083.1	726.7	0.50	1.199	0.782

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1206.9	1182.7	1161.1	1134.2	1056.3	969.0									
COEFF.	0.232	0.192	0.157	0.113	-0.015	-0.158									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1341.7	1199.1	1187.0	1152.4	1101.5	952.2									
COEFF.	0.453	0.219	0.199	0.143	0.059	-0.186									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							769.0	763.4	784.3	874.0	878.9	902.3			
COEFF.							-0.487	-0.496	-0.461	-0.314	-0.306	-0.268			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											862.5	873.5	888.5		
COEFF.											-0.333	-0.315	-0.290		
ORIFICE	220	221	222												
278.0 PRESSURE	1395.6	1193.7	1191.0												
COEFF.	0.542	0.210	0.206												
ORIFICE				223	224	225									
277.0 PRESSURE				1163.2	1112.4	980.2									
COEFF.				0.160	0.077	-0.140									
ORIFICE											*291*	*292*	*293*		
275.0 PRESSURE											910.4	915.5	924.7		
COEFF.											-0.255	-0.246	-0.231		
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1403.1	1189.1	1201.1	1170.8	1134.5	1004.8									
COEFF.	0.554	0.203	0.223	0.173	0.113	-0.100									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1432.2	1182.7	1183.4	1166.9	1144.6	1028.2									
COEFF.	0.602	0.192	0.193	0.166	0.130	-0.045									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD. DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	3	P436-03	TF-556	2/ 3/81	34	20	30	54	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.904	1809.8	1065.5	609.4	3.545	101.7	561.4	17779.	1083.1	726.7	0.50	1.199	0.782

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	868.3			1049.0										1135.5
	COEFF.	-0.324			-0.027										0.115
290.0	ORIFICE	232	233					234							
	PRESSURE	828.5	968.3					1054.9							
	COEFF.	-0.389	-0.159					-0.017							
288.0	ORIFICE	253	254					255							
	PRESSURE	865.0	975.6					1060.2							
	COEFF.	-0.329	-0.148					-0.009							
287.0	ORIFICE					*316*	*317*	*318*							
	PRESSURE					1057.5	1064.7	1074.5							
	COEFF.					-0.013	-0.001	0.015							
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		944.5					1094.2	1082.2	1082.7	1086.3				
	COEFF.		-0.199					0.047	0.027	0.028	0.034				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1091.3		1094.1	1095.5	1099.9	1106.9	1110.6	
	COEFF.							0.042		0.047	0.049	0.056	0.068	0.074	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1022.6	1060.5	1090.4						1079.2	1076.2	1076.4	
	COEFF.			-0.070	-0.008	0.041						0.022	0.017	0.018	
268.0	ORIFICE	216	217					218							
	PRESSURE	909.7	964.0					1022.6							
	COEFF.	-0.256	-0.167					-0.070							
260.0	ORIFICE	207			208										209
	PRESSURE	871.0			969.4										989.4
	COEFF.	-0.319			-0.158										-0.125

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	3	P43G-03	TF-556	2/ 3/81	34:20:30:54	0	288	02-27-81	26/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.904	1809.8	1065.5	609.4	3.545	101.7	561.4	17779.	1083.1	726.7	0.50	1.199	0.782

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			771.7			806.4	919.6		1054.9		
	COEFFICIENT			-0.482			-0.425	-0.239		-0.017		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				747.6		1125.9	1118.9		1071.7		
	COEFFICIENT				-0.522		0.099	0.088		0.010		
	ORIFICE							276		277		
277.5	PRESSURE							1082.1		1081.0		
	COEFFICIENT							0.027		0.025		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1084.5		1077.8
	COEFFICIENT						9.999	9.999		0.031		0.020
	ORIFICE	291B	292B									
260.0	PRESSURE	1081.2	1080.1									
	COEFFICIENT	0.026	0.024									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1001.1			1000.9		
	COEFFICIENT						-0.106			-0.106		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.254	0.239			0.155			0.120	
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.094	0.414			0.229		0.139	0.101	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.189	0.109			0.079		0.069		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
31	4	P436-03	TF-556	2/ 3/81	34:20:31:49	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.903	1814.6	1069.9	610.1	3.553	101.6	561.3	17680.	1087.5	727.1	0.50	1.198	0.780

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 ROOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1210.6	1186.8	1165.2	1138.2	1059.9	971.9									
	COEFF.	0.231	0.192	0.156	0.112	-0.016	-0.161									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1345.3	1203.0	1190.9	1156.0	1104.9	954.8									
	COEFF.	0.451	0.218	0.198	0.141	0.057	-0.189									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							773.0	768.0	790.0	879.2	883.5	906.9			
	COEFF.							-0.487	-0.495	-0.459	-0.312	-0.305	-0.267			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													867.2	875.8	892.7
	COEFF.													-0.332	-0.318	-0.290
	ORIFICE	220	221	222												
278.0	PRESSURE	1399.9	1197.6	1195.0												
	COEFF.	0.541	0.209	0.205												
	ORIFICE				223	224	225									
277.0	PRESSURE				1167.0	1116.1	982.9									
	COEFF.				0.159	0.076	-0.143									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													914.3	919.4	928.8
	COEFF.													-0.255	-0.247	-0.231
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1407.3	1193.1	1205.1	1174.7	1138.1	1007.9									
	COEFF.	0.553	0.202	0.222	0.172	0.112	-0.102									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1436.3	1186.6	1187.6	1171.0	1148.5	1041.3									
	COEFF.	0.601	0.191	0.193	0.166	0.129	-0.047									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
31	4	P43G-03	TF-556	2/ 3/81	34:20:31:49	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.903	1814.6	1069.9	610.1	3.553	101.6	561.3	17680.	1087.5	727.1	0.50	1.198	0.780

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	875.8			1051.7										1139.1
	COEFF.	-0.318			-0.030										0.113
290.0	ORIFICE	232	233				234								
	PRESSURE	830.9	973.0				1058.9								
	COEFF.	-0.392	-0.159				-0.018								
288.0	ORIFICE	253	254				255								
	PRESSURE	864.4	981.5				1063.6								
	COEFF.	-0.337	-0.146				-0.010								
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1061.7	1068.9	1078.7						
	COEFF.						-0.013	-0.002	0.014						
285.0	ORIFICE		251				252	*319*	*320*	*321*					
	PRESSURE		949.3				1097.0	1085.8	1086.6	1090.7					
	COEFF.		-0.198				0.045	0.026	0.027	0.034					
282.0	ORIFICE						*304*		*305*	*306*	*307*	*308*	*309*		
	PRESSURE						1094.6		1097.2	1099.7	1104.1	1110.5	1114.6		
	COEFF.						0.041		0.045	0.049	0.056	0.067	0.073		
275.0	ORIFICE			*294*	*295*	*296*					*297*	*298*	*299*		
	PRESSURE			1026.1	1064.0	1093.9					1082.3	1079.7	1079.9		
	COEFF.			-0.072	-0.010	0.039					0.020	0.016	0.016		
268.0	ORIFICE	216	217				218								
	PRESSURE	916.3	967.9				1026.6								
	COEFF.	-0.252	-0.167				-0.071								
260.0	ORIFICE	207			208										209
	PRESSURE	875.1			974.0										992.8
	COEFF.	-0.319			-0.157										-0.126

DATE 2/27/81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEL	CART	TRANSONIC 16T
31	4	P436-03	TF-556	2/ 3/81	34:20:31:49	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.903	1814.6	1069.9	610.1	3.553	101.6	561.3	17680.	1087.5	727.1	0.50	1.198	0.780

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 ROOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV											
	ORIFICE		282			283	284		285		
282.0	PRESSURE		775.6			812.2	924.0		1058.4		
	COEFFICIENT		-0.482			-0.422	-0.239		-0.019		
	ORIFICE			278		279	280		281		
280.0	PRESSURE			751.3		1130.3	1122.9		1075.1		
	COEFFICIENT			-0.522		0.099	0.087		0.009		
	ORIFICE						276		277		
277.5	PRESSURE						1086.9		1083.3		
	COEFFICIENT						0.028		0.022		
	ORIFICE					271	272		273		274
276.0	PRESSURE					0.0	0.0		1087.1		1080.5
	COEFFICIENT					9.999	9.999		0.028		0.017
	ORIFICE	2918	2928								
260.0	PRESSURE	1085.6	1074.7								
	COEFFICIENT	0.026	0.008								

INSIDE PRESSURE ORIFICES

	ORIFICE					261			262		
276.0	PRESSURE					1004.7			1004.2		
	COEFFICIENT					-0.107			-0.108		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.251	0.242		0.157		0.117		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.095	0.415		0.227		0.138	0.100	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.189	0.108		0.078		0.070		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	5	P436-03	TF-556	2/ 3/81	34:20:32:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.901	1813.0	1070.5	608.7	3.550	101.3	561.0	17666.	1088.1	724.9	0.50	1.199	0.781

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1210.9	1187.1	1165.3	1138.4	1060.4	972.2									
	COEFF.	0.231	0.192	0.156	0.111	-0.017	-0.161									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1345.7	1203.3	1191.3	1156.9	1105.5	955.6									
	COEFF.	0.452	0.218	0.199	0.142	0.057	-0.189									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							773.3	768.8	791.3	879.2	884.1	908.4			
	COEFF.							-0.488	-0.496	-0.459	-0.314	-0.306	-0.266			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													868.4	879.4	894.2
	COEFF.													-0.332	-0.314	-0.290
	ORIFICE	220	221	222												
278.0	PRESSURE	1399.8	1197.9	1195.2												
	COEFF.	0.541	0.209	0.205												
	ORIFICE				223	224	225									
277.0	PRESSURE				1167.3	1116.3	983.3									
	COEFF.				0.159	0.075	-0.143									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													915.0	920.0	929.2
	COEFF.													-0.255	-0.247	-0.232
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1407.6	1193.8	1205.8	1175.3	1138.8	1008.6									
	COEFF.	0.554	0.203	0.222	0.172	0.112	-0.102									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1436.4	1186.9	1187.7	1171.0	1148.8	1041.6									
	COEFF.	0.601	0.191	0.193	0.165	0.129	-0.047									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	5	P436-03	TF-556	2/ 3/81	34:20:32:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.901	1813.0	1070.5	608.7	3.550	101.3	561.0	17666.	1088.1	724.9	0.50	1.199	0.781

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	875.6			1052.2										1139.5
	COEFF.	-0.320			-0.030										0.113
290.0	ORIFICE	232	233					234							
	PRESSURE	831.5	974.0					1059.2							
	COEFF.	-0.393	-0.159					-0.019							
288.0	ORIFICE	253	254					255							
	PRESSURE	865.6	981.7					1064.2							
	COEFF.	-0.337	-0.146					-0.010							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1062.3	1069.3	1078.6						
	COEFF.						-0.013	-0.002	0.013						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		949.7					1098.1	1086.4	1086.6	1091.8				
	COEFF.		-0.199					0.045	0.026	0.026	0.035				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1095.4		1097.6	1099.2	1103.6	1110.6	1114.3	
	COEFF.							0.041		0.045	0.047	0.054	0.066	0.072	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1027.2	1064.9	1095.1						1083.6	1080.5	1079.9	
	COEFF.			-0.071	-0.009	0.041						0.021	0.016	0.015	
268.0	ORIFICE	216	217					218							
	PRESSURE	916.9	968.4					1027.0							
	COEFF.	-0.252	-0.168					-0.071							
260.0	ORIFICE	207			208										209
	PRESSURE	875.7			974.2										993.2
	COEFF.	-0.320			-0.158										-0.127

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
31	5	P436-03	TF-556	2/ 3/81	34:20:32:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.901	1813.0	1070.5	608.7	3.550	101.3	561.0	17666.	1088.1	724.9	0.50	1.199	0.781

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			776.7			813.2	924.9		1059.1		
	COEFFICIENT			-0.483			-0.423	-0.239		-0.019		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				752.6		1131.2	1123.7		1075.9		
	COEFFICIENT				-0.522		0.100	0.087		0.009		
	ORIFICE							276		277		
277.5	PRESSURE							1088.0		1085.2		
	COEFFICIENT							0.029		0.024		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1087.5		1081.1
	COEFFICIENT						9.999	9.999		0.026		0.017

	ORIFICE	291B	292B
260.0	PRESSURE	1085.6	1078.1
	COEFFICIENT	0.025	0.013

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	1005.5	1004.9
	COEFFICIENT	-0.107	-0.108

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.250	0.239	0.153	0.118		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.094	0.417	0.227	0.138	0.101	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.188	0.108	0.077	0.069		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
31	6	P436-03	TF-556	2/ 3/81	34:20:32:49	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.4	1069.5	609.5	3.551	101.5	561.2	17689.	1087.1	726.3	0.50	1.199	0.781

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 ROOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV															
ORIFICE	236	237	238	239	240	241									
300.0 PRESSURE	1209.6	1185.9	1164.1	1137.1	1058.8	971.5									
COEFF.	0.230	0.191	0.155	0.111	-0.018	-0.161									
ORIFICE	226	227	228	229	230	231									
290.0 PRESSURE	1344.9	1202.3	1190.5	1155.6	1104.6	954.6									
COEFF.	0.452	0.218	0.199	0.141	0.058	-0.189									
ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0 PRESSURE							774.1	769.1	791.1	879.1	883.3	907.8			
COEFF.							-0.485	-0.493	-0.457	-0.312	-0.305	-0.265			
ORIFICE											*301*	*302*	*303*		
282.0 PRESSURE											867.4	878.8	893.4		
COEFF.											-0.332	-0.313	-0.289		
ORIFICE	220	221	222												
278.0 PRESSURE	1398.8	1196.9	1194.3												
COEFF.	0.540	0.209	0.205												
ORIFICE				223	224	225									
277.0 PRESSURE				1166.5	1115.5	982.7									
COEFF.				0.159	0.075	-0.142									
ORIFICE													*291*	*292*	*293*
275.0 PRESSURE													914.3	919.4	928.4
COEFF.													-0.255	-0.246	-0.232
ORIFICE	210	211	212	213	214	215									
268.0 PRESSURE	1407.0	1193.0	1204.9	1174.4	1138.0	1008.1									
COEFF.	0.554	0.203	0.222	0.172	0.112	-0.101									
ORIFICE	201	202	203	204	205	206									
260.0 PRESSURE	1435.6	1185.8	1186.7	1169.8	1147.9	1040.8									
COEFF.	0.601	0.191	0.192	0.165	0.129	-0.047									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEF	CART	TRANSONIC 16T
31	6	P43G-03	TF-556	2/ 3/81	34:20:32:49	0	288	02-27-81	26/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.4	1069.5	609.5	3.551	101.5	561.2	17689.	1087.1	726.3	0.50	1.199	0.781

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.76	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	875.0			1051.6										1138.3
	COEFF.	-0.319			-0.029										0.113
290.0	ORIFICE	232	233					234							
	PRESSURE	831.0	972.6					1058.0							
	COEFF.	-0.391	-0.159					-0.019							
288.0	ORIFICE	253	254					255							
	PRESSURE	864.9	980.4					1063.7							
	COEFF.	-0.336	-0.146					-0.009							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1060.4	1068.3	1077.9						
	COEFF.						-0.015	-0.002	0.014						
285.0	ORIFICE			251				252	*319*	*320*	*321*				
	PRESSURE			948.6				1097.7	1085.2	1086.2	1088.8				
	COEFF.			-0.198				0.046	0.026	0.027	0.032				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1094.9		1097.2	1099.3	1104.2	1110.9	1114.2	
	COEFF.							0.042		0.046	0.049	0.057	0.068	0.073	
275.0	ORIFICE				*294*	*295*	*296*					*297*	*298*	*299*	
	PRESSURE				1026.5	1064.3	1094.6					1082.4	1079.3	1078.7	
	COEFF.				-0.070	-0.009	0.041					0.021	0.016	0.015	
268.0	ORIFICE	216	217					218							
	PRESSURE	916.2	967.6					1026.0							
	COEFF.	-0.252	-0.167					-0.071							
260.0	ORIFICE	207			208										209
	PRESSURE	874.4			972.9										991.9
	COEFF.	-0.320			-0.158										-0.127

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	6	P436-03	TF-556	2/ 3/81	34	20	32	49	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.4	1069.5	609.5	3.551	101.5	561.2	17689.	1087.1	726.3	0.50	1.199	0.781

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

	X/C =	0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
ZV												
	ORIFICE			282			283	284		285		
282.0	PRESSURE			775.7			811.4	924.5		1058.5		
	COEFFICIENT			-0.482			-0.423	-0.238		-0.018		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			751.4			1130.9	1122.6		1074.6		
	COEFFICIENT			-0.522			0.101	0.087		0.009		
	ORIFICE							276		277		
277.5	PRESSURE							1086.7		1085.1		
	COEFFICIENT							0.028		0.029		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1087.3		1080.1
	COEFFICIENT						9.999	9.999		0.029		0.017
	ORIFICE	291B	292B									
260.0	PRESSURE	1084.8	1077.9									
	COEFFICIENT	0.025	0.014									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1004.7			1004.3		
	COEFFICIENT						-0.106			-0.107		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.252	0.238		0.152		0.118		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.094	0.415		0.227		0.140	0.101	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.189	0.108		0.078		0.069		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	7	P436-03	TF-556	2/ 3/81	34	20	33	17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1813.6	1071.9	608.2	3.549	101.5	561.2	17634.	1089.5	724.1	0.50	1.199	0.740

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1211.5	1187.9	1166.4	1139.4	1061.5	973.6									
	COEFF.	0.229	0.191	0.155	0.111	-0.017	-0.162									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1346.3	1204.5	1192.6	1157.4	1106.4	956.3									
	COEFF.	0.451	0.218	0.198	0.141	0.057	-0.190									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							776.3	771.8	794.2	881.9	886.6	910.6			
	COEFF.							-0.486	-0.493	-0.457	-0.312	-0.305	-0.265			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												871.1	881.9	896.5	
	COEFF.												-0.330	-0.312	-0.288	
	ORIFICE	220	221	222												
278.0	PRESSURE	1400.6	1199.0	1196.4												
	COEFF.	0.540	0.209	0.205												
	ORIFICE				223	224	225									
277.0	PRESSURE				1168.5	1117.5	984.5									
	COEFF.				0.159	0.075	-0.144									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												916.8	921.8	930.8	
	COEFF.												-0.255	-0.247	-0.232	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1408.3	1194.3	1206.5	1176.0	1139.6	1009.1									
	COEFF.	0.553	0.201	0.221	0.171	0.111	-0.103									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1437.0	1187.9	1188.9	1172.2	1150.0	1042.6									
	COEFF.	0.600	0.191	0.192	0.165	0.128	-0.048									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	7	P436-03	TF-556	2/ 3/81		34	20	33.17	0	288	02-27-81	26/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1813.6	1071.9	608.2	3.549	101.5	561.2	17634.	1089.5	724.1	0.50	1.199	0.740

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
ZV															
300.0	ORIFICE	242			243										244
	PRESSURE	882.2			1053.7										1141.0
	COEFF.	-0.312			-0.030										0.114
290.0	ORIFICE	232	233					234							
	PRESSURE	832.7	975.5					1060.5							
	COEFF.	-0.393	-0.159					-0.019							
288.0	ORIFICE	253	254					255							
	PRESSURE	866.4	983.4					1065.8							
	COEFF.	-0.338	-0.145					-0.010							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1063.5	1070.2	1080.0						
	COEFF.						-0.014	-0.003	0.013						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		951.3					1099.0	1087.6	1088.6	1090.6				
	COEFF.		-0.198					0.045	0.026	0.028	0.031				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1097.9		1099.0	1101.0	1105.7	1112.5	1116.1	
	COEFF.							0.043		0.045	0.048	0.056	0.067	0.073	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1028.0	1065.9	1096.5						1085.2	1082.1	1082.6	
	COEFF.			-0.072	-0.010	0.041						0.022	0.017	0.018	
268.0	ORIFICE	216	217					218							
	PRESSURE	919.9	970.4					1028.4							
	COEFF.	-0.250	-0.167					-0.071							
260.0	ORIFICE	207			208										209
	PRESSURE	877.6			976.0										994.4
	COEFF.	-0.319			-0.158										-0.127

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	7	P436-03	TF-556	2/ 3/81	34:20:33:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.900	1813.6	1071.9	608.2	3.549	101.5	561.2	17634.	1089.5	724.1	0.50	1.199	0.740

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			778.4			816.9	927.5		1060.8		
	COEFFICIENT			-0.483			-0.419	-0.237		-0.018		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				754.7		1132.3	1125.1		1077.1		
	COEFFICIENT				-0.521		0.099	0.088		0.009		
	ORIFICE							276		277		
277.5	PRESSURE							1089.3		1086.7		
	COEFFICIENT							0.029		0.024		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1089.1		1082.7
	COEFFICIENT						9.999	9.999		0.028		0.018

	ORIFICE	291B	292B
260.0	PRESSURE	1087.4	1068.3
	COEFFICIENT	0.026	-0.006

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	1006.7	1006.4
	COEFFICIENT	-0.107	-0.108

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.248	0.238		0.155		0.118	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.094	0.409		0.230		0.138	0.102
273.0	ORIFICE	401	402		403		404	
	VALUE	0.190	0.109		0.077		0.069	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
31	8	P436-03	TF-556	2/ 3/81	34:20:33:48	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.901	1812.4	1070.0	608.5	3.547	101.6	561.3	17677.	1987.6	724.8	0.50	1.199	0.741

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 ROOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1209.9	1185.9	1164.2	1137.4	1059.6	971.9									
	COEFF.	0.230	0.191	0.155	0.111	-0.017	-0.161									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1344.6	1202.5	1190.6	1156.0	1104.6	954.6									
	COEFF.	0.451	0.218	0.198	0.141	0.057	-0.190									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							774.4	769.4	792.3	879.8	884.1	907.9			
	COEFF.							-0.486	-0.494	-0.456	-0.313	-0.306	-0.266			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													868.8	880.6	893.9
	COEFF.													-0.331	-0.311	-0.289
	ORIFICE	220	221	222												
278.0	PRESSURE	1398.5	1197.4	1194.6												
	COEFF.	0.540	0.209	0.205												
	ORIFICE				223	224	225									
277.0	PRESSURE				1166.6	1115.7	982.8									
	COEFF.				0.159	0.075	-0.143									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													915.1	920.1	928.9
	COEFF.													-0.255	-0.246	-0.232
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1406.7	1193.4	1205.2	1174.8	1138.3	1008.0									
	COEFF.	0.553	0.203	0.222	0.172	0.112	-0.102									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1435.4	1186.1	1187.1	1170.3	1147.9	1040.8									
	COEFF.	0.601	0.191	0.192	0.165	0.128	-0.048									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	8	P436-03	TF-556	2/ 3/81	34:20:33:48	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.901	1812.4	1070.0	608.5	3.547	101.6	561.3	17677.	1087.6	724.8	0.50	1.199	0.741

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	878.1			1052.2										1138.9
	COEFF.	-0.315			-0.029										0.113
290.0	ORIFICE	232	233					234							
	PRESSURE	830.7	973.5					1058.3							
	COEFF.	-0.393	-0.159					-0.019							
288.0	ORIFICE	253	254					255							
	PRESSURE	866.4	981.5					1063.9							
	COEFF.	-0.335	-0.145					-0.010							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1060.5	1068.3	1077.9						
	COEFF.						-0.016	-0.003	0.013						
285.0	ORIFICE			251				252	*319*	*320*	*321*				
	PRESSURE			949.6				1096.7	1084.6	1085.2	1089.3				
	COEFF.			-0.198				0.044	0.024	0.025	0.032				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1094.3		1097.1	1099.3	1104.0	1110.8	1114.5	
	COEFF.							0.040		0.045	0.048	0.056	0.067	0.073	
275.0	ORIFICE				*294*	*295*	*296*					*297*	*298*	*299*	
	PRESSURE				1026.5	1064.3	1094.0					1063.3	1079.8	1080.0	
	COEFF.				-0.072	-0.009	0.039					0.022	0.016	0.017	
268.0	ORIFICE	216	217					218							
	PRESSURE	917.1	968.0					1026.5							
	COEFF.	-0.251	-0.168					-0.071							
260.0	ORIFICE	207			208										209
	PRESSURE	875.4			973.9										992.4
	COEFF.	-0.320			-0.158										-0.127

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD	DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	8	P436-03	TF-556	2/ 3/81		34	20	33:48	0	288		02-27-81	26/	1	3	1.

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.901	1812.4	1070.0	608.5	3.547	101.6	561.3	17677.	1087.6	724.8	0.50	1.199	0.741

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			776.6			814.5	925.7		1058.9		
	COEFFICIENT			-0.482			-0.420	-0.237		-0.018		
	ORIFICE			278			279	280		281		
280.0	PRESSURE			752.7			1130.7	1123.2		1075.3		
	COEFFICIENT			-0.521			0.100	0.088		0.009		
	ORIFICE							276		277		
277.5	PRESSURE							1087.4		1086.2		
	COEFFICIENT							0.029		0.027		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1087.9		1081.1
	COEFFICIENT						9.999	9.999		0.029		0.018

	ORIFICE	291B	292B
260.0	PRESSURE	1085.1	1067.5
	COEFFICIENT	0.025	-0.004

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	1005.1	1004.7
	COEFFICIENT	-0.107	-0.107

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413	
	VALUE	0.251	0.237		0.154		0.118	
278.0	ORIFICE	405	406		407		408	409
	VALUE	0.093	0.416		0.228		0.138	0.100
273.0	ORIFICE	401	402		403		404	
	VALUE	0.188	0.109		0.078		0.068	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
31	9	P436-03	TF-556	2/ 3/81	34:20:34:17	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.903	1812.9	1068.8	609.6	3.550	101.6	561.3	17705.	1086.4	726.5	0.50	1.198	0.741

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1208.4	1185.2	1163.6	1136.6	1059.3	970.7									
	COEFF.	0.229	0.191	0.155	0.111	-0.016	-0.161									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1343.8	1201.6	1189.7	1154.7	1103.8	953.7									
	COEFF.	0.451	0.218	0.198	0.141	0.057	-0.189									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							772.7	768.0	790.0	878.4	882.9	907.3			
	COEFF.							-0.486	-0.493	-0.457	-0.312	-0.305	-0.265			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													868.0	878.8	893.6
	COEFF.													-0.329	-0.312	-0.287
	ORIFICE	220	221	222												
278.0	PRESSURE	1397.7	1196.5	1193.8												
	COEFF.	0.540	0.209	0.205												
	ORIFICE				223	224	225									
277.0	PRESSURE				1165.7	1114.8	982.2									
	COEFF.				0.159	0.075	-0.142									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													914.4	919.5	928.5
	COEFF.													-0.253	-0.245	-0.230
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1405.6	1192.5	1204.4	1173.8	1137.2	1007.2									
	COEFF.	0.552	0.203	0.222	0.172	0.112	-0.101									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1434.5	1185.6	1186.3	1169.6	1147.4	1040.1									
	COEFF.	0.600	0.192	0.193	0.165	0.129	-0.047									

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
31	9	P436-03	TF-556	2/ 3/81	34:20:34:17	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.903	1812.9	1068.8	609.6	3.550	101.6	561.3	17705.	1086.4	726.5	0.50	1.198	0.741

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	875.8			1059.9										1137.9
	COEFF.	-0.317			-0.029										0.113
290.0	ORIFICE	232	233					234							
	PRESSURE	830.3	972.0					1057.5							
	COEFF.	-0.391	-0.159					-0.018							
288.0	ORIFICE	253	254					255							
	PRESSURE	865.0	979.6					1063.0							
	COEFF.	-0.334	-0.146					-0.010							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1060.6	1068.2	1077.6						
	COEFF.						-0.013	-0.001	0.014						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		948.5					1096.9	1085.3	1085.7	1088.8				
	COEFF.		-0.197					0.046	0.027	0.028	0.033				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1094.8		1096.5	1099.0	1103.2	1109.6	1113.5	
	COEFF.							0.043		0.046	0.050	0.057	0.067	0.073	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1026.6	1064.3	1095.4						1083.0	1079.9	1080.1	
	COEFF.			-0.069	-0.007	0.044						0.023	0.018	0.019	
268.0	ORIFICE	216	217					218							
	PRESSURE	916.0	966.6					1025.7							
	COEFF.	-0.251	-0.168					-0.071							
260.0	ORIFICE	207			208										209
	PRESSURE	874.2			972.8										992.4
	COEFF.	-0.319			-0.157										-0.125

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI PROD	DATE	WINDOFF	SET	CART	
31	9	P43G-03	TF-556	2/ 3/81	34:20:34:17	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.903	1812.9	1068.8	609.6	3.550	101.6	561.3	17705	1086.4	726.5	0.50	1.198	0.741

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			775.7			812.2	925.1		1058.2		
	COEFFICIENT			-0.481			-0.421	-0.236		-0.017		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				751.5		1130.0	1122.3		1074.6		
	COEFFICIENT				-0.520		0.100	0.088		0.019		
	ORIFICE							276		277		
277.5	PRESSURE							1085.9		1085.5		
	COEFFICIENT							0.028		0.027		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1086.6		1080.1
	COEFFICIENT						9.999	9.999		0.029		0.019
	ORIFICE	2918	2928									
260.0	PRESSURE	1085.0	1069.7									
	COEFFICIENT	0.027	0.001									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1004.0			1003.7		
	COEFFICIENT						-0.106			-0.107		

KULITE RMS VALUES

287.0	ORIFICE	410	411		412		413		
	VALUE	0.251	0.239		0.153		0.118		
278.0	ORIFICE	405	406		407		408	409	
	VALUE	0.093	0.417		0.227		0.138	0.100	
273.0	ORIFICE	401	402		403		404		
	VALUE	0.189	0.108		0.078		0.069		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	10	P436-03	TF-556	2/ 3/81		34	20	34.48	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.3	1069.8	669.3	3.551	101.4	561.1	17682.	1087.4	725.9	0.50	1.198	0.702

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1209.9	1185.9	1164.4	1137.3	1059.6	971.5									
	COEFF.	0.230	0.191	0.155	0.111	-0.017	-0.161									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1344.7	1202.1	1190.4	1155.7	1104.6	954.6									
	COEFF.	0.451	0.217	0.198	0.141	0.057	-0.189									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							773.9	769.4	791.9	879.6	884.5	908.3			
	COEFF.							-0.486	-0.493	-0.456	-0.312	-0.304	-0.265			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												868.6	879.4	894.6	
	COEFF.												-0.330	-0.313	-0.288	
	ORIFICE	220	221	222												
278.0	PRESSURE	1398.5	1197.1	1194.4												
	COEFF.	0.539	0.209	0.204												
	ORIFICE				223	224	225									
277.0	PRESSURE				1166.4	1115.5	982.5									
	COEFF.				0.159	0.075	-0.143									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												915.4	920.5	929.4	
	COEFF.												-0.253	-0.245	-0.230	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1406.5	1193.1	1204.9	1174.6	1138.1	1007.7									
	COEFF.	0.553	0.202	0.222	0.172	0.112	-0.102									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1435.0	1186.0	1186.8	1170.0	1147.9	1040.6									
	COEFF.	0.599	0.191	0.192	0.164	0.128	-0.048									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	10	P43G-03	TF-556	2/ 3/81	34:	20:	34:	48	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.3	1069.8	609.3	3.551	101.4	561.1	17682.	1087.4	725.9	0.50	1.198	0.702

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	877.3			1051.6										1138.7
	COEFF.	-0.316			-0.030										0.113
290.0	ORIFICE	232	233					234							
	PRESSURE	831.0	973.3					1058.5							
	COEFF.	-0.392	-0.158					-0.019							
288.0	ORIFICE	253	254					255							
	PRESSURE	865.4	981.6					1064.0							
	COEFF.	-0.335	-0.145					-0.010							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1061.6	1068.8	1078.4						
	COEFF.						-0.013	-0.002	0.014						
285.0	ORIFICE			251				252	*319*	*320*	*321*				
	PRESSURE			949.4				1097.1	1085.7	1086.5	1089.6				
	COEFF.			-0.198				0.045	0.026	0.027	0.032				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1095.4		1097.8	1099.6	1104.2	1111.0	1114.7	
	COEFF.							0.042		0.046	0.049	0.057	0.068	0.074	
275.0	ORIFICE				*294*	*295*	*296*					*297*	*298*	*299*	
	PRESSURE				1027.6	1065.3	1095.3					1083.5	1080.9	1080.9	
	COEFF.				-0.069	-0.007	0.042					0.023	0.018	0.018	
268.0	ORIFICE	216	217					218							
	PRESSURE	916.9	968.0					1026.5							
	COEFF.	-0.251	-0.167					-0.071							
260.0	ORIFICE	207			208										209
	PRESSURE	875.2			973.9										992.4
	COEFF.	-0.319			-0.157										-0.127

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	TRANSONIC 16T
31	10	P436-03	TF-556	2/ 3/81	34:20:34:48	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.3	1069.6	609.3	3.551	101.4	561.1	17682.	1087.4	725.9	0.50	1.198	0.702

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			776.1			812.9	925.5		1059.1		
	COEFFICIENT			-0.482			-0.422	-0.237		-0.018		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				751.8		1130.2	1123.1		1075.0		
	COEFFICIENT				-0.522		0.099	0.088		0.009		
	ORIFICE							276		277		
277.5	PRESSURE							1087.2		1085.5		
	COEFFICIENT							0.029		0.026		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1087.1		1080.6
	COEFFICIENT						9.999	9.999		0.028		0.018

	ORIFICE	291B	292B
260.0	PRESSURE	1084.7	1069.9
	COEFFICIENT	0.025	0.000

INSIDE PRESSURE ORIFICES

	ORIFICE	261	262
276.0	PRESSURE	1004.8	1004.5
	COEFFICIENT	-0.107	-0.107

KULITE RMS VALUES

287.0	ORIFICE	410	411	412	413		
	VALUE	0.249	0.238	0.153	0.117		
278.0	ORIFICE	405	406	407	408	409	
	VALUE	0.095	0.414	0.229	0.140	0.101	
273.0	ORIFICE	401	402	403	404		
	VALUE	0.189	0.109	0.078	0.069		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
31	11	P436-03	TF-556	2/ 3/81	34:20:35:20	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.6	1070.5	609.1	3.552	101.3	561.0	17666.	1088.1	725.5	0.50	1.198	0.702

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1210.4	1186.6	1165.0	1137.9	1060.3	971.9									
	COEFF.	0.230	0.191	0.155	0.111	-0.017	-0.162									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1344.9	1202.9	1191.0	1156.2	1105.1	954.8									
	COEFF.	0.450	0.217	0.198	0.141	0.057	-0.190									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							774.9	769.9	792.6	879.6	884.6	908.6			
	COEFF.							-0.485	-0.493	-0.456	-0.313	-0.305	-0.266			
	ORIFICE													*301*	*302*	*303*
282.0	PRESSURE													869.5	880.7	895.5
	COEFF.													-0.330	-0.312	-0.287
	ORIFICE	220	221	222												
278.0	PRESSURE	1398.7	1197.9	1195.0												
	COEFF.	0.539	0.209	0.204												
	ORIFICE				223	224	225									
277.0	PRESSURE				1167.1	1116.0	983.2									
	COEFF.				0.159	0.075	-0.143									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													916.1	921.1	930.1
	COEFF.													-0.253	-0.245	-0.231
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1406.9	1193.6	1205.4	1175.0	1138.4	1008.5									
	COEFF.	0.552	0.202	0.222	0.172	0.112	-0.102									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1435.4	1186.8	1187.4	1170.9	1148.7	1041.3									
	COEFF.	0.599	0.191	0.192	0.165	0.128	-0.048									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD	DATE	WINDOFF	SET	CART	
31	11	P43G-03	TF-556	2/ 3/81	34	20	35	20	0	288	02-27-81		26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.6	1070.5	609.1	3.552	101.3	561.0	17666.	1088.1	725.5	0.50	1.198	0.702

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	880.7			1052.3										1139.8
	COEFF.	-0.312			-0.030										0.114
290.0	ORIFICE	232	233					234							
	PRESSURE	830.9	974.3					1059.1							
	COEFF.	-0.393	-0.158					-0.019							
288.0	ORIFICE	253	254					255							
	PRESSURE	865.4	982.0					1064.4							
	COEFF.	-0.337	-0.145					-0.010							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1061.9	1068.6	1078.2						
	COEFF.						-0.014	-0.003	0.013						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		950.5					1097.6	1085.3	1085.9	1090.7				
	COEFF.		-0.197					0.044	0.024	0.025	0.033				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1095.7		1097.6	1099.2	1103.9	1110.6	1114.1	
	COEFF.							0.041		0.044	0.047	0.055	0.066	0.072	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1027.5	1065.4	1095.4						1084.0	1080.5	1080.8	
	COEFF.			-0.071	-0.008	0.041						0.022	0.016	0.017	
268.0	ORIFICE	216	217					218							
	PRESSURE	918.2	968.9					1027.4							
	COEFF.	-0.250	-0.167					-0.071							
260.0	ORIFICE	207			208										209
	PRESSURE	876.0			974.4										993.2
	COEFF.	-0.319			-0.158										-0.127

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
31	11	P436-03	TF-556	2/ 3/81	34:20:35:20	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	OP	WA	TPR	SHX10+3
0.902	1813.6	1070.5	609.1	3.552	101.3	561.0	17666.	1088.1	725.5	0.50	1.198	0.702

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.25	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			777.3			814.9	927.6		1059.3		
	COEFFICIENT			-0.481			-0.420	-0.235		-0.918		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				753.2		1132.2	1123.7		1075.8		
	COEFFICIENT				-0.521		0.101	0.087		0.009		
	ORIFICE							276		277		
277.5	PRESSURE							1088.0		1085.7		
	COEFFICIENT							0.029		0.025		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1087.9		1081.0
	COEFFICIENT						9.999	9.999		0.029		0.017
	ORIFICE	2918	2928									
260.0	PRESSURE	1086.6	1075.6									
	COEFFICIENT	0.026	0.008									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1005.4			1004.9		
	COEFFICIENT						-0.107			-0.108		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.251	0.239			0.154			0.119	
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.095	0.415			0.227		0.140	0.100	
273.0	ORIFICE			401	402			403			404	
	VALUE			0.187	0.110			0.077			0.069	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
--PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	TRANSONIC 16T
31	12	P436-03	TF-556	2/ 3/81	34:20:35:49	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.6	1070.3	609.2	3.551	101.4	561.1	17671.	1087.9	725.7	0.50	1.199	0.702

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
ZV																
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1210.0	1185.8	1164.6	1137.7	1059.6	971.3									
	COEFF.	0.229	0.190	0.155	0.111	-0.018	-0.162									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1344.9	1202.5	1190.7	1155.5	1104.9	954.8									
	COEFF.	0.451	0.217	0.198	0.140	0.057	-0.190									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							775.3	771.0	793.7	880.3	885.0	908.8			
	COEFF.							-0.484	-0.491	-0.454	-0.312	-0.304	-0.265			
	ORIFICE												*301*	*302*	*303*	
282.0	PRESSURE												870.1	880.5	895.3	
	COEFF.												-0.329	-0.312	-0.287	
	ORIFICE	220	221	222												
278.0	PRESSURE	1398.5	1197.4	1194.6												
	COEFF.	0.539	0.209	0.204												
	ORIFICE				223	224	225									
277.0	PRESSURE				1166.7	1115.7	983.0									
	COEFF.				0.158	0.075	-0.143									
	ORIFICE												*291*	*292*	*293*	
275.0	PRESSURE												915.5	920.7	929.5	
	COEFF.												-0.254	-0.246	-0.231	
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1407.0	1193.4	1205.3	1174.8	1138.4	1008.2									
	COEFF.	0.553	0.202	0.222	0.172	0.112	-0.102									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1435.2	1186.2	1186.9	1170.4	1148.1	1040.8									
	COEFF.	0.599	0.190	0.191	0.164	0.128	-0.048									

DATE. 2-27-81 PROJECT NO. P43G-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
31	12	P43G-03	TF-556	2/ 3/81	34:20:35:49	0	288	02-27-81	26/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.6	1070.3	609.2	3.551	101.4	561.1	17671.	1087.9	725.7	0.50	1.199	0.702

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C -	0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	881.8			1052.2										1139.4
	COEFF.	-0.309			-0.030										0.114
290.0	ORIFICE	232	233					234							
	PRESSURE	831.0	974.3					1058.9							
	COEFF.	-0.393	-0.158					-0.019							
288.0	ORIFICE	253	254					255							
	PRESSURE	865.7	981.8					1064.3							
	COEFF.	-0.336	-0.145					-0.010							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1062.1	1069.3	1079.1						
	COEFF.						-0.013	-0.002	0.014						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		949.9					1097.4	1085.1	1087.0	1089.8				
	COEFF.		-0.198					0.044	0.024	0.027	0.032				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1095.5		1097.6	1099.8	1104.5	1111.3	1114.8	
	COEFF.							0.041		0.045	0.049	0.056	0.067	0.073	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1027.4	1065.0	1095.6						1083.8	1080.8	1080.3	
	COEFF.			-0.070	-0.009	0.042						0.022	0.017	0.017	
268.0	ORIFICE	216	217					218							
	PRESSURE	918.5	968.8					1027.0							
	COEFF.	-0.249	-0.157					-0.071							
260.0	ORIFICE	207			208										209
	PRESSURE	876.0			974.3										992.9
	COEFF.	-0.319			-0.158										-0.127

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
31	12	P436-03	TF-556	2/ 3/81	34:20:35:49	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.902	1813.6	1070.3	609.2	3.951	101.4	561.1	17671.	1087.9	725.7	0.50	1.199	0.702

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			777.6			815.6	927.6		1059.6		
	COEFFICIENT			-0.480			-0.418	-0.234		-0.018		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				753.8		1131.5	1123.9		1075.8		
	COEFFICIENT				-0.520		0.100	0.088		0.009		
	ORIFICE							276		277		
277.5	PRESSURE							1087.5		1086.2		
	COEFFICIENT							0.028		0.026		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1088.0		1081.4
	COEFFICIENT						9.999	9.999		0.029		0.018
	ORIFICE	2918	2928									
260.0	PRESSURE	1085.2	1070.6									
	COEFFICIENT	0.025	0.000									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1005.3			1005.0		
	COEFFICIENT						-0.107			-0.107		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412			413	
	VALUE			0.249	0.238			0.153			0.118	
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.090	0.415			0.230		0.139	0.101	
273.0	ORIFICE			401	402			403			404	
	VALUE			0.188	0.109			0.078			0.069	

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SEI	CART	
31	13	P436-03	TF-556	2/ 3/81	34:20:36:16	0	288	02-27-81	26/	1	3	1.

TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.905	1814.8	1067.4	611.7	3.558	131.5	561.2	17737.	1085.0	729.8	0.50	1.197	0.662

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV	X/C =	0.00	0.03	0.06	0.15	0.30	0.52	0.61	0.63	0.65	0.68	0.70	0.72	0.74	0.76	0.77
	ORIFICE	236	237	238	239	240	241									
300.0	PRESSURE	1209.0	1184.7	1162.9	1136.2	1057.6	970.8									
	COEFF.	0.231	0.192	0.156	0.112	-0.016	-0.158									
	ORIFICE	226	227	228	229	230	231									
290.0	PRESSURE	1343.9	1200.9	1188.8	1154.4	1103.3	953.5									
	COEFF.	0.452	0.216	0.198	0.142	0.059	-0.186									
	ORIFICE							*310*	*311*	*312*	*313*	*314*	*315*			
287.0	PRESSURE							772.2	766.8	787.5	877.6	881.9	905.7			
	COEFF.							-0.483	-0.491	-0.457	-0.310	-0.303	-0.264			
	ORIFICE											*301*	*302*	*303*		
282.0	PRESSURE											865.1	875.7	891.1		
	COEFF.											-0.331	-0.313	-0.288		
	ORIFICE	220	221	222												
278.0	PRESSURE	1397.7	1196.1	1193.3												
	COEFF.	0.540	0.210	0.206												
	ORIFICE				223	224	225									
277.0	PRESSURE				1165.2	1114.3	981.7									
	COEFF.				0.160	0.077	-0.140									
	ORIFICE													*291*	*292*	*293*
275.0	PRESSURE													912.9	918.0	927.1
	COEFF.													-0.253	-0.244	-0.229
	ORIFICE	210	211	212	213	214	215									
268.0	PRESSURE	1405.6	1191.7	1203.7	1173.2	1136.6	1006.5									
	COEFF.	0.553	0.203	0.223	0.173	0.113	-0.099									
	ORIFICE	201	202	203	204	205	206									
260.0	PRESSURE	1434.3	1184.9	1185.7	1169.0	1146.9	1039.7									
	COEFF.	0.600	0.192	0.193	0.166	0.130	-0.045									

DATE. 2-2-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY HR MIN SEC	MODE	DELPI	PROD DATE	WINDOFF	SE1	CART	TRANSONIC 16T
31	13	P436-03	TF-556	2/ 3/81	34:20:36:16	0	288	02-27-81	26/ 1	3	1.	

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.905	1814.8	1067.4	611.7	3.558	101.5	561.2	17737.	1085.0	729.8	0.50	1.197	0.665

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (LEFT HAND SIDE)

ZV		X/C = 0.68	0.78	0.82	0.83	0.86	0.89	0.90	0.91	0.92	0.94	0.95	0.97	0.98	1.00
300.0	ORIFICE	242			243										244
	PRESSURE	874.4			1050.7										1137.8
	COEFF.	-0.315			-0.027										0.115
290.0	ORIFICE	232	233					234							
	PRESSURE	829.4	971.2					1057.1							
	COEFF.	-0.389	-0.157					-0.017							
288.0	ORIFICE	253	254					255							
	PRESSURE	866.0	978.7					1062.9							
	COEFF.	-0.329	-0.145					-0.007							
287.0	ORIFICE						*316*	*317*	*318*						
	PRESSURE						1060.5	1067.7	1077.7						
	COEFF.						-0.011	0.001	0.017						
285.0	ORIFICE		251					252	*319*	*320*	*321*				
	PRESSURE		947.2					1096.8	1085.6	1086.7	1089.5				
	COEFF.		-0.196					0.048	0.030	0.032	0.036				
282.0	ORIFICE							*304*		*305*	*306*	*307*	*308*	*309*	
	PRESSURE							1093.9		1097.1	1098.9	1103.6	1110.1	1113.8	
	COEFF.							0.043		0.049	0.052	0.059	0.070	0.076	
275.0	ORIFICE			*294*	*295*	*296*						*297*	*298*	*299*	
	PRESSURE			1025.9	1063.7	1093.8						1082.0	1078.9	1079.4	
	COEFF.			-0.068	-0.006	0.043						0.024	0.019	0.020	
268.0	ORIFICE	216	217					218							
	PRESSURE	913.6	966.5					1024.9							
	COEFF.	-0.251	-0.165					-0.069							
260.0	ORIFICE	207			208										209
	PRESSURE	872.9			971.5										991.3
	COEFF.	-0.318			-0.157										-0.124

DATE. 2-27-81 PROJECT NO. P436-03
ARVIN/CALSPAN FIELD SERVICES, INC.
AEDC DIVISION
PROPULSION WIND TUNNEL
ARNOLD AIR FORCE STATION, TENNESSEE

RN	PN	PROJECT	TEST	DATE	DAY	HR	MIN	SEC	MODE	DELPI	PROD DATE	WINDOFF	SET	CART	
31	13	P436-03	TF-556	2/ 3/81	34	20	36	16	0	288	02-27-81	26/ 1	3	1.	TRANSONIC 16T

M	PT	P	Q	REX10-6	TT	TTR	H	PC	DP	WA	TPR	SHX10+3
0.905	1814.8	1067.4	611.7	3.553	101.5	561.2	17737.	1085.0	729.8	0.50	1.197	0.665

MODEL	TRAJECTORY	ALPHA	BETA	SPEED BRAKE
111-0	STS-1 BOOST	0.0	-4.00	0.0

OUTSIDE PRESSURE ORIFICES (RIGHT HAND SIDE)

ZV		X/C = 0.15	0.26	0.68	0.70	0.77	0.78	0.83	0.85	0.90	0.94	1.00
	ORIFICE			282			283	284		285		
282.0	PRESSURE			774.4			811.8	923.5		1057.2		
	COEFFICIENT			-0.479			-0.418	-0.235		-0.017		
	ORIFICE				278		279	280		281		
280.0	PRESSURE				750.1		1127.6	1121.7		1073.9		
	COEFFICIENT				-0.519		0.098	0.089		0.011		
	ORIFICE							276		277		
277.5	PRESSURE							1083.4		1086.1		
	COEFFICIENT							0.026		0.031		
	ORIFICE						271	272		273		274
276.0	PRESSURE						0.0	0.0		1087.0		1080.1
	COEFFICIENT						9.999	9.999		0.032		-0.021
	ORIFICE	2918	2928									
260.0	PRESSURE	1082.6	1077.3									
	COEFFICIENT	0.025	0.016									

INSIDE PRESSURE ORIFICES

	ORIFICE						261			262		
276.0	PRESSURE						1003.2			1003.1		
	COEFFICIENT						-0.105			-0.105		

KULITE RMS VALUES

287.0	ORIFICE			410	411			412		413		
	VALUE			0.249	0.234			0.154		0.117		
278.0	ORIFICE			405	406			407		408	409	
	VALUE			0.094	0.415			0.230		0.140	0.102	
273.0	ORIFICE			401	402			403		404		
	VALUE			0.188	0.109			0.077		0.069		

ACCELEROMETER RMS VALUES

1	2	3
8.8880	8.8880	8.8880